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General Information

General Information

Howard University: An Overview

In November 1866, shortly after the end of the Civil War, members of the First Congregational Society of Washington considered establishing a theological seminary for the education of African-American clergymen. Within a few weeks, the concept expanded to include a provision for establishing a University. Within two years, the University consisted of the colleges of Liberal Arts and Medicine. The new institution was named for General Oliver O. Howard, a Civil War hero who was both a founder of the University and, at the same time, commissioner of the Freedman's Bureau.

The University charter as enacted by Congress and subsequently approved by President Andrew Johnson on March 2, 1867, designated Howard University as "a University for the education of youth in the liberal arts and sciences." The Freedmen's Bureau provided most of the early financial support of the University. In 1879, Congress approved a special appropriation for the University. The charter was amended in 1928 to authorize an annual federal appropriation for construction, development, improvement and maintenance of the University.

Howard University as one of the nation's leading research universities is dedicated to educating students from diverse backgrounds at the undergraduate, graduate, and professional level, with a particular focus on African-American students, as well as those of all other racial and ethnic groups from the United States and around the world. The University received its first accreditation from the Middle States Association of Colleges and Schools in 1921 and has had its accreditation reaffirmed by the Association at every required interval thereafter.

Howard is a unique university with a special mission that addresses the higher education needs of the nation and the world. Since its founding, Howard has been open to men and women from all racial and ethnic groups. The University has awarded more than 100,000 degrees in the arts, sciences and humanities. Howard ranks among the highest producers of the nation's Black professionals in medicine, dentistry, pharmacy, engineering, nursing, architecture, religion, law, music, social work and education. The University has long held a commitment to the education and advancement of disadvantaged persons in American society and throughout the world. The goal is the elimination of inequities related to race, color, social, economic and political circumstances.

The University's academic programs are offered by 13 schools and colleges: the College of Arts and Sciences; the School of Business; the School of Communications; the College of Dentistry; the School of Divinity; the School of Education; the College of Engineering and Architecture; the School of Law; the College of Medicine, the College of Nursing and Allied Health Sciences; the College of Pharmacy; and the School of Social Work.

The University library system, typifying Howard's commitment to research, contains more than two million volumes and is a member of the Association of Research Libraries. Among the system's many resources are the state-of-the-art, Louis Stokes Health Science Library and the Law Library, both of which opened in 2001. In addition, the Moorland-Spangarn Research Center houses one of the world's largest and most comprehensive research collections dedicated to documenting the history and culture of people of African descent throughout the world.

The University has an array economic, and informational of media outlets that address the educational, social, needs of the academic and wider communities. Its radio station, WHUR-FM, and television station, WHUT-TV, a PBS affiliate, serve the Washington metropolitan area and beyond. Each provides training laboratories that assist in preparing students for professional broadcasting and other careers.

In addition to its collegiate programs, the University maintains an Early Learning Program and a Middle School of Science and Mathematics. The Early Learning Program offers pre-kindergarten through kindergarten programs and is accredited by the National Association for the Science and Mathematics is Education of Young Children. The Middle School of a District of Columbia Public Charter School providing curricula for grades 5 through 9.

The University's main campus is located in Washington, DC, within five miles of the United States Capitol and consists of more than 57 buildings on more than 89 acres of land. It also maintains a 22-acre West Campus in upper Northwest Washington, which houses the Law School. The 450 licensed-bed university hospital (Howard University Hospital) provides services for a significant segment of the Washington, DC metropolitan community, in addition to providing a clinical setting for training physicians, nurses, and other healthcare providers.

The University competes in 17 varsity sports, including basketball, football, bowling, lacrosse, soccer, softball, swimming, tennis, both indoor and outdoor track and volleyball. Howard has more than 10,000 students from virtually every state, the District of Columbia and more than 70 countries.

Today, Howard University is one of only 48 U.S. private, Doctoral/Research-Extensive universities. Its 10,500 students enjoy academic pursuits in more than 120 areas of study leading to undergraduate, graduate, and professional degrees. The University continues to attract the nation's top students and produces more on-campus AfricanAmerican Ph.D.s than any other university in the world. Since 1998, the University has produced two Rhodes Scholars, three Truman Scholars, three Marshall Scholars, six Fulbright Scholars and nine Pickering Fellows.

Contact Information

Howard University
2400 Sixth Street, NW
Washington, D.C. 20059
(202) 806-6100
www.howard.edu

Mission Statement

Howard University, a culturally diverse, comprehensive, research intensive and historically Black private university, provides an educational experience of exceptional quality at the undergraduate, graduate, and professional levels to students of high academic standing and potential, with particular emphasis upon educational opportunities for Black students. Moreover, the University is dedicated to attracting and sustaining a cadre of faculty who are, through their teaching, research and service, committed to the development of distinguished, historically aware, and compassionate graduates and to the discovery of solutions to human problems in the United States and throughout the world. With an abiding interest in both domestic and international affairs, the University is committed to continuing to produce leaders for America and the global community.

Approved by the Board of Trustees, June 2009

Regional Accreditation

Howard University is accredited by the Middle States Association of Colleges and Schools/Commission on Higher Education.

Middle States Commission on Higher Education
3624 Market Street - Philadelphia, PA 19104
(215) 662-5606

Undergraduate Programs with Specialized Accreditation

Most current accreditation information can be found at: <http://www.provost.howard.edu/Accreditation/SpecAccreditation4-25-16.pdf>

Program	Accrediting Organization
School of Business	Association to Advance Collegiate Schools of Business International
School of Communications, Undergraduate programs in Journalism, Radio, Television and Film	Accrediting Council for Education in Journalism and Mass Communication (ACEJMC)
School of Education	National Council for the Accreditation of Teacher Education (NCATE) The District of Columbia State Education Agency (DCSEA)
School of Engineering, Undergraduate Engineering Programs	American Psychology Association (APA)
Department of Systems and Computer Science	Accreditation Board for Engineering and Technology, Inc. (ABET)
Department of Art	Computer Sciences Accreditation Commission
Department of Music	National Association of Schools of Art & Design
Department of Theatre Arts	National Association of Schools of Music
Division of Nursing	National Association of Schools of Theatre Arts
Clinical Laboratory Sciences	Commission of Collegiate Nursing Education (CCNE)
Nutritional Sciences	National Accrediting Agency for Clinical Laboratory Sciences
Radiation Therapy	Accreditation Council for Education in Nutrition and Dietetics
Health Management Services	Joint Review Committee on Education in Radiologic Technology Association of University Programs in Health Administration

University Administration

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Asst. Athletics Director and Varsity Coach

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Managing Director, Tuckson Health Connections, LLC

MRS. BENAREE P. WILEY
Principal, The Wiley Group

Deans of Undergraduate Serving Schools and Colleges

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Rubin J. Patterson, Ph.D.

Business

Anthony D. Wilbon, Ph.D., PMP

Communications

Gracie Lawson-Borders, Ph.D.

Education

Dawn Williams, Ph.D.

Engineering and Architecture

John M.M. Anderson, Ph.D.

Nursing and Allied Health Sciences

Gina S. Brown, Ph.D., RN, MSA

Howard University Policy on Equal Opportunity

Howard University does not discriminate on the basis of race, color, national or ethnic origin, gender, marital status, religion, disability, age, sexual preference, political affiliation or any other basis prohibited by Federal or District of Columbia law. This policy covers administration of the University's educational policies, admission policies, scholarship and loan programs, other University administered programs, and employment.

Inquiries regarding provisions for handicapped persons, equal opportunity and Title IX should be addressed to the appropriate person listed below:

Section 504 Coordinator

Glennis Dennis-Bacchus
1851 9th Street, NW
Washington, DC 20001
(202) 238-2420

Title IX Coordinator

Angie Pope-Logan (Interim)
2400 6th Street, NW,
Washington, DC 20059
TitleIX@howardedu

Equal Opportunity Officer

2244 10th Street, NW, Suite 407
Washington, DC 20001
(202) 806-5770

TITLE IX

Title IX of the Education Amendments of 1972 prohibits sex discrimination in education programs and activities by recipients of federal funds. The interim Title IX Coordinator for Howard University is Angie Pope-Logan, who is located in the Office of the Provost, Administration Building, Suite 306, and can be reached at (202) 806-2550.

SECTION 504 OF THE REHABILITATION ACT OF 1973

Section 504 of the Rehabilitation Act of 1973 (P.L. 93-112, as amended P.L. 93-516) forbids discrimination against persons based on disability by recipients of federal funds. The Section 504 Coordinator, Glennis Daniels-Bacchus is located at 1851 9th Street, NW, 2nd Floor, Washington, DC 20001. Their telephone number is (202) 238-2420 and email address is oss.disabilityservices@howard.edu.

ETHNIC ORIGIN DATA FOR COMPLIANCE REPORTING

Title VI of the Civil Rights Act of 1964, requires that no person in the United States shall, on the ground of race, color or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Education.

To determine whether an institution adheres to the above, the Office of Civil Rights Planning in the U.S. Department of Education requires that:

"Each recipient shall keep such records and submit to the responsible Department official or his designee timely, complete and accurate compliance reports at such times, and in such form and containing such information, as the responsible Department official or his designee may determine to be necessary to enable him to ascertain whether the recipient has complied or is complying with this part. In the case of any other recipient, such other recipient shall also submit such compliance reports to the primary recipient to carry out its obligations under this part." Title 45 Subtitle A — Department of Education Sec. 80.6 (b) (1972).

Consequently, Howard University must provide the US Department of Education with specific statistical student ethnic origin data. Each student, therefore, is asked to assist the University in complying with this requirement by providing this data when requested.

General Admissions Requirements

The University promotes academic excellence through a highly selective admission process. Students who are admitted show strong personal motivation along with backgrounds of consistent academic growth and achievement. The University encourages the submission of applications from socially and economically disadvantaged students who show promise of gaining from a Howard University education. To protect its character and standards of scholarship, the University reserves the right, and the applicant concedes to the University the right, to deny admission to any student at any time for any reason the University deems sufficient.

On **September 24, 1983**, the Board of Trustees of Howard University adopted the following policy statement regarding applicants for admission:

"Applicants seeking admission to Howard University are required to submit accurate and complete credentials and accurate and complete information requested by the University. Applicants who fail to do so shall be denied admission. Enrolled students, who as applicants failed to submit accurate and complete credentials or accurate and complete information on their application for admission shall be subject to dismissal when the same is made known regardless of classification."

Application Options

All students must use the *Common Application* to apply for admissions to the university. If a student needs assistance or accommodations, then the **Office of the Registrar** will provide a paper copy for that student. Students should refer to the Admission Policy and Admission Process sections on the university website.

Howard University requires all admitted students to present proof of high school graduation before enrolling at HU. Admitted students must provide the Office of Undergraduate Admissions with such proof of graduation by August 1 of the year they plan to enroll.

International Students:

An extension will be granted to students outside the United States whose secondary schools operate on a different schedule. You will not be penalized for the late receipt of your graduation certificate or final report from your high school. Students who are submitting final exam results as proof of graduation should ensure that these results are sent to us as soon as they have been released, and provide official certificates as soon as these are available. Please note that if documents are not in English, an English translation should be provided, one which is issued either by a school official or by a translation agency accredited in the educational institution's country.

In all cases, proof of graduation must be provided prior to beginning the first semester of classes at Howard. Howard considers the following documents to serve as proof of secondary school graduation:

- A high school transcript submitted directly from the student's school. We will not accept a high school transcript submitted by the student. The high school transcript must show the date of graduation. For students in a curriculum where national examinations or other certification signifies completion of high school those documents will be required as proof of graduation.
- Results from the General Education Development (GED) Test. Students may submit GED results in lieu of a final high school transcript. Students can take the GED Test almost anywhere in the United States and Canada and internationally at any of the 3,400 Official GED Testing Centers. More information about obtaining a GED.
- Admitted homeschooled students must either be able to provide evidence of a homeschool diploma, a certificate of completion that is considered the equivalent of a high school diploma in the applicant's home state, or they must complete and submit results of their GED test prior to enrollment at Howard.
- A high school diploma showing the date of graduation, including the official seal and signature of the school's governing officials.

Final transcripts may be submitted by a school official through the **Common Application, Naviance** or **fax**.

All mailed transcripts and other proof of graduation documents, however, should bear an official stamp, be signed and mailed from a student's school in a sealed envelope.

Application Deadlines & Early Action

Domestic applicants should apply by the following deadlines

Domestic Applicants should apply by the following dates:

Fall Semester:

November 1st - Early Action: complete application files will be notified **late-December**

February 15th:

Traditional Action/Regular Decision:

Complete application files will be notified by **mid-April**

International Applications should apply by the following deadlines:

Spring Semester:

November 1st - complete application files will be notified by **late-November**

Summer Sessions: April 1st

NOTE: Application decisions will be rendered only to complete files
Decisions can not be given over the phone.

Domestic Applicants should apply by the following dates:

Fall Semester:

November 1st - Early Action
February 15th - Traditional Action

Spring Semester: September 1st
Summer Sessions: February 1st

Code for Standardized

Test Scores SAT & TOEFL: 5297
ACT: 0674

First Time Student Admission Requirements

First Time in College (FTIC) Students

FTICs are students who have never been admitted to a degree program at Howard University or any other post-secondary institution of higher education.

FTIC Academic Eligibility

We consider the applicant's secondary school academic record, standardized college entrance exams (**SAT or ACT**), leadership in school and community activities, unique talents and skills, and educational objectives. For admission consideration, an applicant should have a well-balanced college preparatory program.

FTIC Admission Requirements Package.

A complete application package includes the following materials:

1. An online application is preferred with non-refundable US\$45 application fee. Personal checks are not accepted. Application fees are not waived;
2. One letter of recommendation from a guidance counselor, principal, head of school, or school official;
3. One letter of recommendation from a teacher or professor;
4. Scholastic Aptitude Test (SAT) or American College Test (ACT) scores
 1. To obtain SAT 1 test dates, visit www.collegeboard.com – school code 5297
 2. To obtain ACT test dates, visit www.act.org – school code 0674;
5. High School transcript, official certified final secondary school records, or mark sheets including grades 9-12;
6. Certified documentation of exit examination scores for example CXC, GCE, WAEC, BGCSE, or exit examination scores from your region or country - All course titles, and the marks earned in those courses, should be reflected:
 1. If your transcript, exit exam, leaving certificate, or grade scale system is in a foreign language, an official English translation by World Education Services (www.wes.org) is required. Request the International Credential Advantage Package (ICAP) (Transcript + Evaluation) Document-by-Document Report only.
 2. Statement of results, provisional notifications of results, and website print out of results will not be accepted.
7. Admission essay- Howard University is interested in you as a person, as well as how you think and express your thoughts. Please submit a 500-word essay on a topic of your choice or "How can I contribute to the Legacy of Howard University".
8. An official TOEFL- Howard's school code is 5297. Only official reports from ETS will be accepted. Scores from the Test of English as a Foreign Language (TOEFL) <http://www.ets.org/toefl> are required for applicants whose native language is not English.

1. Score of 550 on the paper-based test (PBT)
2. Score of 79 on the internet-based test(iBT)
3. In lieu of the TOEFL (if not offered in your country), applicants may submit results from IELTS (International English Language Testing System) with an overall score of a 6.5.
9. Statement of Financial Resources Form; the "1st Year" column must be completed, using the "General Undergraduate" figures; it must be signed by you and your sponsor. If you are self-sponsored, you should sign on both lines. The form does not require a signature or stamp by a bank official.
 1. Statement of Financial Resources Form
<http://www.howard.edu/enrollment/documents/admission/Statement%20of%20Financial%20Resources.pdf>
10. Sponsor's letter stating the sponsor's name, your name, relationship to the sponsor and the sponsor's intent to be responsible for your expenses; if you are self-sponsored, you should submit a letter stating that you are sponsoring yourself
11. Recent monthly bank statement; if the statement is in a foreign currency, the US dollar equivalence and conversion rate must be stated. The balance must match or exceed the total completed in the "1st Year" column on the Financial Resources Form; a letter written by a bank is not acceptable.

Residential address in your country of origin; PO Box only or commercial addresses are not acceptable.

Transfer Student Admission Requirements

Transfer Students

Applicants who have attended another post-secondary institution of higher education and who may seek admission to Howard University with advanced standing will be classified as transfer students.

Transfer Student Academic Eligibility

Admission criteria vary among Howard University's schools and colleges. Transfer applicants must meet the following minimum requirements for admission consideration:

- 15 transferrable credit hours (30 credit hours for the School of Business) from a regionally accredited post secondary institution

Transfer Students Admission Requirements Package.

Students who plan to enroll at Howard University must complete and submit the following credentials by the designated deadline stated above:

- Application for Admission with a \$45.00 non-refundable application fee
- Official transcripts from all post-secondary institutions attended;
- A letter of recommendation from a professor or an academic advisor; and
- A completed Professor Recommendation Form.

International First Time Student Admission Requirements

International Students: First Time in College (FTIC).

International students are advised to begin the admission process at least one year prior to the time they wish to enter the University. Additional time is usually essential for submission of required tests, academic documents, evaluations, and immigration-related matters.

International Students Academic Eligibility

The following documents are required for admission consideration:

- An online application is preferred with non-refundable application fee. **Personal checks are not accepted. Application fees are not waived.**
- A letter of recommendation from a guidance counselor, principal, head of school, or school official;
- A letter of recommendation from a teacher or professor; and
- Scholastic Aptitude Test (SAT) or American College Test (ACT) scores
 - **To obtain SAT 1 test dates, visit www.collegeboard.com – school code 5297**
 - **To obtain ACT test dates, visit www.act.org – school code 0674**
- High School transcript, official certified final secondary school records, or mark sheets including grades 9-12.
- Certified documentation of exit examination scores for example CXC, GCE, WAEC, BGCSE, or exit examination scores from your region or country - All course titles, and the marks earned in those courses, should be reflected.
- Additional requirements are listed below:

English Translation of Application Documents

If your transcript, exit exam, leaving certificate, or grade scale system is in a foreign language, an official English translation by World Education Services(www.wes.org) is required. Request the International Credential Advantage Package (ICAP) (Transcript + Evaluation) Document-by-Documents Report only. Statement of results, provisional notifications of results, and website print out of results will not be accepted.

Admissions essay.

Howard University is interested in you as a person, as well as how you think and express your thoughts. Please submit a 500-word essay on a topic of your choice or "How can I contribute to the Legacy of Howard University".

An official TOEFL Report. Only official reports from ETS will be accepted. Scores from the Test of English as a Foreign Language (TOEFL) <http://www.ets.org/toefl> are required for applicants whose native language is not English. Howard's school code is 5297.

- 550 on the paper-based test (PBT)
- 79 on the internet-based test(iBT)

In lieu of the TOEFL (if not offered in your country), applicants may submit results from IELTS (International English Language Testing System) with an overall score of a 6.5.

Statement of Financial Resources Form.

The "1st Year" column must be completed, using the "General Undergraduate" figures; it must be signed by you and your sponsor. If you are self-sponsored, you should sign on both lines. The form does not require a signature or stamp by a bank official.

Statement of Financial Resources

Form. <http://www.howard.edu/enrollment/documents/admission/Statement%20of%20Financial%20Resources.pdf>

Sponsor's Letter.

The Sponsor's letter must state the sponsor's name, your name, relationship to the sponsor and the sponsor's intent to be responsible for your expenses; if you are self-sponsored, you should submit a letter stating that you are sponsoring yourself

Recent monthly bank statement.

If the statement is in a foreign currency, the US dollar equivalence and conversion rate must be stated. The balance must match or exceed the total completed in the "1st Year" column on the Financial Resources Form; a letter written by a bank is not acceptable. Residential address in your country of origin; PO Box only or commercial addresses are not acceptable.

Issuance of I-20 (Certificate of Eligibility).

Immigration form I-20 (Certificate of Eligibility), needed to obtain a student visa, is not issued until the applicant has **(1)** been officially accepted by the University, **(2)** paid the enrollment fee, and **(3)** submitted a financial statement indicating how expenses will be met while attending the University.

Regulations of the Immigration and Naturalization Service require that all people on F-1 (student) visas pursue a full course of study at all times. This means that undergraduates must be enrolled in no less than 12 credit hours at all times. For additional information contact the Office of International Student Services (<http://www.howard.edu/internationalservices/default.htm>) at (202) 806-4124.

University Housing.

International students who have been accepted at Howard University are not guaranteed housing. For additional information regarding housing, contact the Office of Residence Life at (202) 806-6131.

Howard University is authorized under federal law to enroll non-resident students.

International Transfer Student Admission Requirements

International Students: Transfer

A student who has completed academic studies at another college or university may be considered for transfer admission.

International Transfer Students: Academic Eligibility.

The minimum standards for admission consideration as a transfer student are:

- A passing grade of C or better in both a college-level English and college-level math course
- A minimum of 15 credits (30 credits for the School of Business) from an accredited postsecondary institution
- 2.5 cumulative grade point average (GPA) (3.0 GPA for the School of Business)

The following documents are required for admission consideration:

1. An on-line application is preferred with non-refundable US\$45 application fee. Personal checks are not accepted. Application fees are not waived.
2. One letter of recommendation from a teacher or professor.

3. Official transcripts from all post-secondary institutions. If your transcript is in a foreign language or grade scale system, an official English translation is required by the World Education Services(www.wes.org) requesting the International Credential Advantage Package (ICAP) (Transcript + Evaluation) Course-by-Course (with GPA & course levels) Report only.
4. An official TOEFL- Howard's school code is 5297. Only official reports from ETS will be accepted. Scores from the Test of English as a Foreign Language (TOEFL) are required for applicants whose native language is not English. Once the application is received, a member from EM/Admission will inform the student if he/she must take this test.
5. In lieu of the TOEFL (if not offered in your country), applicants may submit results from IELTS (International English Language Testing System) with an overall score of a 6.5.
6. Statement of Financial Resources Form; the first column must be completed, using the figures shown for your student status. It must be signed by you and your sponsor. If you are self-sponsored, you should sign on both lines. The form does not require a signature or stamp by a bank official.

Statement of Financial Resources (PDF)

1. Sponsor's letter stating the sponsor's name, your name, relationship to the sponsor and the sponsor's intent to be responsible for your expenses; if you are self-sponsored, you should submit a letter stating that you are sponsoring yourself.
2. Recent monthly bank statement; if the statement is in a foreign currency, the US dollar equivalence and conversion rate must be stated. The balance must match or exceed the total completed in the right column on the Financial Resources Form; a letter written by a bank is not acceptable.
3. Residential address in your country of origin; PO Box only or commercial addresses are not acceptable.
4. International Students transferring from a college/university within the United States must also send:
5. Copy of your I-94 and current I-20.
6. Color copy of your passport photo page and visa page.
7. Transfer Form completed by the immigration advisor at your current school

Mail all required documents to:

Howard University
Office of Admission
2400 Sixth Street NW, Suite 111
Washington, DC 20059

Immigration form I-20 (**Certificate of Eligibility**), needed to obtain a student visa, is not issued until the applicant has **(1)** been officially accepted by the University, **(2)** paid the enrollment fee, and **(3)** submitted a financial statement indicating how expenses will be met while attending the University.

Regulations of the Immigration and Naturalization Service require that all people on F-1 (student) visas pursue a full course of study at all times. This means that undergraduates must be enrolled in no less than 12 credit hours at all times. For additional information contact the Office of International Student Services at (202) 806-4124.

International students who have been accepted at Howard University are not guaranteed housing.

For additional information regarding housing, contact the Office of Residence Life at (202) 806-6131.

Other Categories Seeking Undergraduate Admission: Former Students Returning (FSR)

Students who are not enrolled during the current semester (summer session not included), but who have previously attended Howard University are classified as Former Students Returning (**FSR**).

FSRs must submit an application following the appropriate application deadlines. An application fee and enrollment fee are not required. **FSRs** absent from the University for two or more years must also obtain a medical clearance from the University Student Health Center before they can complete the registration process.

Students who cease to attend the University for one semester or more, whether or not voluntarily, are subject to all regulations and requirements in force at the time they resume their studies, unless other arrangements have been agreed to by the dean and recorded in writing before their absence.

In general, **FSRs** are readmitted to the last school in which they were enrolled at Howard University. Applicants must submit an official transcript from each post-secondary institution attended since last enrolled at Howard to the Office of Admission. Credit will be awarded for those courses taken that are comparable to courses offered at Howard University in which the student has earned a grade of C or better.

Before readmission is granted, students who are absent from the University for the following reasons must fulfill the corresponding requirements.

Withdrawn for health reasons- Clearance from the University Student Health Center must be obtained, such correspondence should be directed to the Administrator, University Student Health Center, 2139 Georgia Ave NW, 2nd Floor, Howard University, Washington, DC 20059.

Academic Suspension-Students who are academically suspended must seek reinstatement through the college or school from which they were suspended. If reinstatement is granted by the school or college, students must then complete all readmission processes required by the Office of Admissions and the Registrar. In most instances, suspended students must be out of school for at least one semester to submit a reinstatement petition. Suspended students are encouraged to meet with their academic adviser to discuss the reinstatement petition process, deadlines, and eligibility requirements at least one semester prior to their desired readmission date.

Disciplinary suspension and/or withdrawal -Readmission may be sought for any period following expiration of the suspension period.

All voluntary withdrawals-Persons who withdraw voluntarily must follow readmission processes outlined by the Office of the Admissions.

Once a student graduates, he/she may not return to the same school or status as an undergraduate, but must be considered either graduate/professional, unclassified, or seeking another undergraduate degree and must pay the applicable application fees.

Unclassified Students

Unclassified students are non-matriculating student who wish to complete courses during the spring or fall semester. Typically students who require completion of pre-requisite courses to begin a specific course of study are considered unclassified.

Visiting Students

Visiting students who plan to enroll at Howard University must complete and submit the following:

- Application for Admission
- Non-refundable \$45 application fee, paid by money order, cashier's check, or credit card only.
- At least a 2.50 GPA
- Official transcript

A letter of permission from the home school. The letter should include the student's GPA and a list of courses the student is authorized to take. Applications will not be processed until such letter is received.

Visiting students who are admitted to Howard University must pay a \$300 non-refundable enrollment fee to secure their place in the class. Visiting students are considered for housing once they have been accepted and have submitted an application for housing and a \$50 housing application fee (housing is not guaranteed). Visiting students can matriculate for a maximum of one academic year.

Summer School

Requirements for Enrollment/registration

Enrollment Fee

Admitted students who intend to enroll at Howard University pay a \$300 non-refundable enrollment fee by May 1st to secure their place in the class.

Housing Fee. Students are considered for housing once they have been accepted and have submitted an application for housing and a \$50 housing fee.

Report of Medical History

All students are required to submit a completed Report of Medical History, proof of immunity to vaccine-preventable diseases. All students entering the University for the first time and those returning after an absence of one or more semesters are required to submit a completed health examination (Entrance Medical Record). Students will not be allowed to register for classes if their enrollment and medical forms have not been returned by the announced deadline date. Failure to submit the forms on time may result in the student's having to register during late registration and paying a \$175 late registration fee. The University reserves the right to deny registration to any student or prospective student who, in the judgment of the officials of the University Health Service, is suffering from a condition of illness that would be inimical to the health of others. In such cases, the recommendation of the University Health Service is final.

BisonWeb

BisonWeb (<http://www.howard.edu/bisonweb/>) is the official self-service portal that all students should use to review student accounts and financial aid; course registration each semester; academic records; and apply for graduation.

Contact Information Requirement

Upon enrollment students must report all appropriate addresses via BisonWeb. Grades, material for registration, and other materials will be mailed periodically to the student's local address. Failure to maintain a current address with the Office of Enrollment Management/Records may not be used as an excuse to avoid late registration fees or discharge.

Placement Exams

English (Freshman Composition) Placement

All students are expected to complete their writing requirements within their first-year of attending Howard.

Criteria #1)

If you scored below 450 on the SATW or below 18 on the ACTE, you will be blocked registered for a ENGL 002 course with a writing skills lab. Once you complete the course with a C or better, then you will be allowed to progress to ENGL 003. Once you complete the course with a C or better, then you will have completed your first-year writing requirement.

Criteria #2)

If you scored between 450 – 509 on the SATW or between 25-18 on the ACTE, you will be block registered for a traditional EGNL 002 course. Once you complete the course with a C or better, then you will be allowed to progress to ENGL 003. Once you complete the course with a C or better, then you will have completed your first-year writing requirement.

Criteria #3)

If you scored a 510 or higher on the SATW or 26 or higher on the ACTE, you will be blocked registered for ENGL 004. Only those students who have been admitted into COAS Honors program will be registered for ENGL 075. Once you complete ENGL 004 or 075 with a C or better, then you will be allowed to progress to ENGL 005. Once you complete ENGL 005, you will have completed your firstyear writing requirement.

Note: Students who have been invited to the COAS Honors Program and who have NOT met the requisite scores for 004 will be registered for 002.

Mathematics Placement

The Math Placement Examination (MPE) is administered through McGraw-Hill's Assessment and Learning in Knowledge Spaces (ALEKS) program. ALEKS is a web-based, artificially intelligent assessment and learning system that quickly and accurately assesses a student's level of mathematic proficiency. ALEKS provides the advantages of one-on-one instruction, 24/7, from virtually any webbased computer. Upon completion of the initial diagnostic assessment, a customized learning plan will be generated for each student. Students will be able to complete their learning plan prior to taking the mandatory on-campus Math Placement Exam during New Student Orientation. The MPE results will determine math course eligibility and placement. Academic Advisers will be available during New Student Orientation to answer questions regarding major/program requirements.

Students meeting the following criteria are exempt from the Math Placement Exam:

- Score of "3" on the Advanced Placement (AP) Calculus AB exam – eligible to enroll in Calculus I
- Score of "4" or higher" on the Advanced Placement (AP) Calculus AB exam – will earn credit for Calculus I
- Score of "3" on the Advanced Placement (AP) Calculus BC exam – will earn credit for Calculus I, eligible to enroll in Calculus II
- Score of "4 or higher" on Advanced Placement (AP) Calculus BC exam – will earn credit for Calculus I and Calculus II

World Language Placement

The Language Placement Examination (LPE) is administered to students who intend to continue enrollment in a language for which they earned high school credit.

The LPE is administered through AVANT's Placement Assessment program. AVANT's Placement Assessment is a web-based, artificially intelligent assessment and learning system that quickly and accurately assesses a student's level of language proficiency in Arabic, Chinese (Traditional and simplified), Spanish, French, German,

and Japanese. AVANT provides the advantages of grouping and placing students, 24/7, from any web-based computer. AVANT's Placement Assessments are quick, convenient, and engage students with real-world content in Reading, Contextualized Grammar, Writing, and Speaking.

The **LPE** must be taken prior to enrollment/registration, or no later than the first week of class. Exceptions can be made through Study Abroad, Transferred Credits, and/or further placement testing. All language courses must be taken in proper sequence (e.g. "Language" 001, "Language" 002, "Language" 003, "Language" 004).

Exemptions from foreign language requirement will be made based on proctored placement examination taken on site at Howard University.

The LPE results will determine language course eligibility and placement. Academic Advisers will be available during New Student Orientation to answer questions regarding program requirements.

Students meeting the following criteria are exempt from the Language Placement Exam:

- Score of "3" on the Advance Placement (AP) Target Language exam – exempt from Languages 001-004.
- Score of "4" or "5" on the Advance Placement (AP) Target Language exam – Receive credit for Language 040.
- Score of "5" on the Advance Placement (AP) Target Language exam – Receive credit for Language 040 & Language 050.

The **LPE** results are valid for one academic year (two semesters). The Department of World Languages and Cultures has the right of final approval of the accuracy of placement. For additional information contact **Prof. Mercedes Tibbits** (mtibbits@howard.edu), Coordinator.

Undergraduate Transfer Credit Policy

Howard University accepts academic courses from regionally accredited colleges and universities as transfer credits. For new student entering Howard University, and upon receipt of the student's official transcript (s), transfer credits will be evaluated by using the following criteria.

- Transfer courses must be of comparable content, academic level, and scope to the curricular offerings at Howard University.
- Credit hour (s) assignment to transfer courses will be semester credit hours. If the originating institution is other than the semester system, the appropriate conversion of credit hour (s) will take place by the Office of Enrollment Management.
- Students must have earned a grade of "C" or higher in academic courses in order for the courses to be transferred to Howard University.
- For transfer course credits that are discipline specific, the Office of Enrollment Management will request a review and assignment of the transfer credits by the specific discipline.
- The maximum number of credit hours that can be transferred from a two-year community college is 60 semester credit hours; and, the maximum number of credit hours that can be transferred from a four-year college is 90 semester credit hours. (Note: Howard University requires that the last 30 credit hours for an undergraduate degree be taken at Howard University).
- Credit hours are transferable to Howard University, not grades. Therefore, grades for academic courses transferred will not be included in the overall GPA of a student.
- All transcripts from international institutions must be evaluated by World Educational Services (WES)

Credit by Advanced Placement (AP) Examination:

New students entering Howard University may receive course credit for academic courses completed in secondary schools under the Advanced Placement Program administered by the College Board.

- AP score must be sent directly from the College Board to the Office of the Enrollment Management
- AP credit hours are awarded by Howard University according to the chart (List the link for AP scores and credit hours awarded here).
- In each subject for whom credit is sought, a minimum score of 3 is required. However, some departments may require a score of 4 or 5 to receive the transfer credit for an AP examination.

Credit by International Baccalaureate (IB) Examination:

Howard University will evaluate and award course credits for an IB examination score, based on the following criteria.

- Submission of an IB certificate directly to the Office of Admissions
- Score of 4 or better on IB exam will result in awarding credits for the first level of the course.
- Score of 5, 6, or 7 –award first and second levels of the course (e.g. Biology Higher Level score of 5, 6, or 7 and receive credit for Biol 101 and 102).

Credit by Caribbean Advanced Proficiency Examination:

Howard University will award transfer credits as follows for scores ranging from 1-3

- Unit 1 = 1 course in specified curriculum/discipline sequence
- Unit 2 = w courses specified curriculum/discipline sequence

Academic Advisement

Students enrolled in all undergraduate schools and colleges are assigned faculty or staff advisors to assist them in planning and following a sound program of study. Students are encouraged to contact their advisor on any matters related to their educational programs. The role of the academic advisor goes beyond providing assistance to students in selecting and scheduling classes. The scope of the advisor's responsibility typically includes any areas that affect or are related to academic success, such as goal-setting, career planning, academic issues, personal concerns, financial support, and general guidance to facilitate personal growth. Students who have not selected a major should contact the Office of Undergraduate Studies for a consultation.

Registration

All students must register for classes during the periods announced in the official University Calendar. Students who fail to register will not be permitted to attend classes, and their names will not appear on official class lists. BisonWeb is the official self-service portal that all students will use to register for their courses each semester. Directions on how to register are available on the BisonWeb webpage at <http://www.howard.edu/bisonweb/>.

Intra-University Transfers

(FOR CURRENTLY ENROLLED UNDERGRADUATE STUDENTS ONLY)

1. Student obtains Intra-University Transfer Form from the Dean's Office of the School/College to which he/she is transferring.
2. Upon receipt of this application, the Dean of the College/ School receiving the transferee will obtain any information needed from the College/School from which the applicant is transferring and determine whether the student qualifies for transfer.
3. The Dean's Office will forward the approved form to the Office of the Registrar.
4. All applications for Intra-University transfers must be completed and "approved" by appropriate officials before submission. They must be received in the Office of the Registrar by the first day of classes of the semester.

Alternate PIN

All continuing students require an Alternate PIN to register, with the exception of graduate students in the School of Business and the College of Nursing and Allied Health. Students must meet with their academic advisors in their School or College to obtain their Alternate Pin.

Course Waitlist

When a section of a course fills to the enrollment limit, students attempting to register through BisonWeb will receive a registration error message that a waitlist exists. The student will then be given the option of adding themselves to the waitlist for the course. If a student already enrolled in the course should drop, that seat will not become available for registration through BisonWeb if there is an active waitlist for the course. Obtaining a space on a waitlist should not be interpreted as a guarantee of getting a seat in the course.

Students must attempt to register for the course via BisonWeb in order to be offered the waitlist option. When a seat becomes available, the first student on the waitlist will receive an email notification to their preferred email address (students can confirm their preferred email address on BisonWeb) when a seat becomes available. A student will have 24 hours from the time of the email to register for the class through BisonWeb, between the hours of 9AM and midnight each day. It is the student's responsibility to check their preferred email once on a waitlist. If they do not register for the class during that time period, the seat will be offered to the next student on the waitlist. Students **MUST** have an email address on file or they will not receive the notification and lose their opportunity to register.

BisonWeb Registration Errors

When attempting to register for courses via BisonWeb students may encounter errors that prevent registration. Restrictions have been applied to courses for various academic and administrative reasons. Please see the following registration error messages:

Course Waitlist

When a section of a course fills to the enrollment limit, students attempting to register through BisonWeb will receive a registration error message that a waitlist exists. The student will then be given the option of adding themselves to the waitlist for the course. If a student already enrolled in the course should drop, that seat will not become available for registration through BisonWeb if there is an active waitlist for the course. Obtaining a space on a waitlist should not be interpreted as a guarantee of getting a seat in the course.

Course Overrides

The course override capability exists for the sole purpose of accommodating those relatively few students who are given permission to either (a) enroll in a class that is "closed," or (b) enroll in one or more classes that have reasonable time conflicts within the student's schedule. Course overrides must be approved by the person(s) designated by course instructor and the Dean or his/her designee of the respective School/College in accordance with procedure(s) established by such School/College/Division.

Change of Program: Audit, Variable Course Credits, Pass/Fail

Students who wish to change courses to audit or to increase the credits on a variable course must complete a change of program form. Signatures of approval of the academic dean and the course instructor must be obtained. The last day to add and/or drop courses is published every semester in the University calendar.

If a student is enrolled in a course for audit or pass/fail and wishes to change to credit, that student must drop the course for audit or pass/fail and add the course for credit. The last day for such a change is published every semester in the University calendar.

Failure to comply with this change of program procedure may result in a failing grade for courses students have assumed they have dropped or no grade for courses they thought they added. All changes must be made in accordance with the established deadlines.

Pass/Fail Regulation

Sophomores, juniors, and seniors with a cumulative average of 2.0 or higher who enroll in at least 12 semester hours per semester, may elect to enroll in one course per semester on a pass/fail basis. This pass/fail option is restricted to electives exclusively and is not permitted for courses that fulfill major and minor course requirements. Students will receive a passing designation if his/her work in the course rates as "D" or better and a failing designation if his/her work in the course rates below "D". Except for students in the School of Business, courses passed under the pass/fail system will count towards graduation requirements. FAILING GRADES WILL BE INDICATED ON THE ACADEMIC RECORD; however, neither the passing grade nor failing grade will be computed in the grade point average. Students electing to take a course pass/fail cannot later petition to receive a grade in the course. Until further notice the Pass/Fail Regulation is on an experimental basis and is reviewed annually.

Change of Program Fee

All charges for change of program that affect your enrollment status must be paid to avoid late charges. Students officially withdrawing, suspended, dropped, or decreasing or increasing their credit hours after the registration period may expect to have charges for tuition and fees adjusted on a prorated basis.

Withdrawal From a Course

The last day to withdraw from a course is published in the University Calendar. Withdrawals are not permitted later than 4 weeks prior to the end of the semester, including the final examination period. A student may withdraw from a course up to 8 weeks after the first day of instruction and receive a grade of "W" (withdrawal). Seniors, juniors, sophomores and graduate students without registration holds complete course withdrawals on BisonWeb. Freshmen and students with holds that prevent registration will need to complete a Change of Program form and obtain a signature from your academic advisor. Please see your academic department for this form. Change of Program Forms may be obtained from the Office of Undergraduate Studies or the Office of the Academic Dean of each school/college.

Mere absence from class does not constitute withdrawal. A properly executed Change of Program Form, Total Withdrawal Form or BisonWeb process must be used to effectuate all drops, withdrawals, adds, section changes, or course enrollment status changes. Students will receive a failing grade for courses in which they discontinue attendance without completing the required withdrawal process.

Warning on Dropping Courses

Students who wish to drop all courses for which they have registered (even though they may be taking only one course) must submit a Total Withdrawal form to officially drop all courses in which currently enrolled. (In this instance, the drop/add procedure should not be used.)

Removal of Incomplete Grades

Students for whom an incomplete grade has been reported must remove the incomplete grade prior to the last day of classes the next semester in which the student is enrolled, unless the student requests, and is granted, an extension. Failure to meet this deadline will result in the incomplete grade becoming a permanent grade. A request for an extension should be made to the dean of the College, in writing, at least 10 days before the last day of classes.

Attendance

All officially enrolled students are expected to attend classes regularly and promptly. Students who are absent from classes or laboratory periods are still responsible for completing course requirements. Students with extenuating circumstances that prohibit their adherence to the course calendar may seek permission from their instructors to complete outstanding course requirements, examinations, etc. Students who neglect to seek permission or whose requests are denied will receive the grade earned as determined by the course instructor.

Total Withdrawal Procedure

Students who find it necessary to withdraw from all of their classes for the current semester or for a subsequent semester for which they have already registered must complete a Total Withdrawal Request Form. This form must be submitted by the end of the 12th week of classes for the semester in which they wish to withdraw. The withdrawal form and instructions are available from the Dean or Advisory Center of each school or college. Students who are physically unable to complete the withdrawal in person and students who are administratively withdrawn should contact their dean or advisor for assistance. Students considering a total withdrawal should note the following:

The effective date of the withdrawal will be the date on which Office of the Registrar receives the completed withdrawal request form.

By registering for courses, students accept financial responsibility for payment for those courses and for any other charges incurred while they are enrolled.

Financial aid may be adjusted or canceled as a result of withdrawal and may require repayment of loan funds. Adjustments to financial aid awards will be calculated according to University and Federal refund guidelines based on the official withdrawal date.

Once the withdrawal has been completed, students will receive a grade of "W" for each course if the withdrawal is submitted after the Change of Program period.

Students who reside in University housing are required to check out of their residence hall within 24 hours of completing the total withdrawal process.

Completing a total withdrawal from the University requires that students surrender all University property, including, but not limited to library books, room keys, computer cards, and identification/access cards.

Students who complete a total withdrawal from the University must reapply for admission to the University by published application deadlines.

Students who wish to complete the Total Withdrawal Process should follow the steps listed below.

Access the Total Withdrawal Process via <http://www.howard.edu/enrollment/registration/withdrawal.htm>

Enter your name and preferred e-mail address as well as the Howard issued e-mail address for the appropriate offices. Please see **total withdrawal contact**.

The system will automatically generate an access code and forward the access code to your email account. Enter that access code to continue.

Read and verify the terms and conditions, then select review document.
Complete all required fields highlighted in red. Once all the required fields are complete, please select confirm

signing on the left side of the document.

Once you have confirm signing, your request will be routed to the appropriate offices, Please note there is an optional save feature that allows you to check the status of your request.

Students who register during General Registration for the upcoming semester and determine before the beginning of that semester that they will not be returning, must complete a Total Withdrawal Form for that upcoming semester. The signature of the Dean or Dean's designee is required. The Office of the Registrar (located in Suite 104 in the Administration Building) is the last office to sign the Total Withdrawal Form.

If you need to make the effective date of your Total Withdrawal prior to the date you actually begin the process, due to extenuating circumstances; you must get special approval to do so. The first step is to visit the office of the Dean or academic advising center of your school or college. You should take with you documentation to support your request (e.g., a letter from your doctor). If the request is supported by your school or college, it will be forwarded to the Office of the Registrar to be considered for approval.

Readmission After a Total Withdrawal

Undergraduate students who complete a total withdrawal and wish to return to Howard University after an absence of one semester or more are required to apply for readmission (no Application Fee or Enrollment Fee is required).

NOTE: Any withdrawing student planning to return for the semester immediately following the withdrawal must check with the Office of Admission for information regarding re-enrollment. For further general information on Total Withdrawal, contact the Dean of your school/college.

Expenses & Financial Aid

Office of the Bursar

Processes Remission of Tuition and all financial aid awards, except private funds given directly to the student. Authorizes payment of University-administered financial aid awards to a student's account (e.g. loans, scholarships, grants, remission of tuition, grants). The Office of the Bursar also processes credit balances (aka "refund checks") as well as refund and tuition adjustments; handles "special billing," (e.g., the official billing (or invoicing) of Embassies or other appropriate agencies or organizations responsible for paying the educational expenses of particular students).

This office is responsible for entering late charges, institutional residential, parking and library fines, to the account of the student who incurs same.

The Office of the Bursar processes promissory notes provided by the Office of Financial Aid for University Emergency loans. Initiates and Processes promissory notes for Direct Student Loans, Perkins Federal Loans, Health Professions —Medicine, Dentistry, Pharmacy, and Nursing loans, as well as long-term University loans. The office processes student deferment forms as well as repayment of University and Federal loans.

Costs/Payment

Educational costs depend on a student's program of study, the number of hours enrolled and living expenses. Costs for full-time tuition and fees vary based on a student's school/college and program. Students will not be allowed to receive financial aid in excess of their cost of attendance, regardless of the sources of funds. This includes, but is not limited to: federal, state, institutional, donor or external grants, gifts and scholarships. Current information about the University's tuition and fees is available at <https://www2.howard.edu/enrollment-management/student-financial-services/cost-ofattendance>

All charges must be paid in full by the due date: Fall semester, July 1st and Spring semester, December 1st. Any outstanding balances will be assessed a \$100 late payment fee each month the balance remains and any other applicable late fees.

Installment Plan

Howard University offers several payment options for students and their families for the fall and spring semesters. Summer sessions must be paid in full at the time of registration. There are no payment plans or alternate payment options available for summer enrollment. Students and their families are provided with payment plan options each year which are subject to change. These payment options are generally provided via an online servicer who will accept most forms of debit/credit cards, wires and electronic checks.

Payment Methods

Payments may be made by credit card (Visa, American Express, MasterCard, Discover), cash, money order, cashier's check, certified check or wire transfer. A \$35.00 fee will be charged for all reversed credit card payments and returned checks. Subsequent checks will not be accepted. Checks and money orders should include the student's name and Howard University Identification Number.

Financial Aid

Financial aid assists with offsetting educational expenses. The federal and state governments as well as post-secondary schools are public sources of aid, while civic groups, clubs, and religious organizations serve as private sources of aid. Financial aid is classified into three basic types:

1) grants and scholarships are 'gift aid' which are funds awarded that are not required to be repaid; employment is work, either on or off campus that you find through campus student employment services or on your own initiative; and a loan is money borrowed from the federal or state government, the University or an alternative lender that must be repaid, including interest.

Financial aid is distributed according to a variety of eligibility criteria within three categories: needbased aid and non-need-based aid and talent-based aid. Students are awarded need-based aid to assist in the difference between the total cost to attend the University full time and the amount of their family's contribution as determined by the federal government. Non-need based aid may be used to replace the family contribution if a student meets the necessary eligibility criteria, which may vary depending on the program and is generally based on merit (e.g. GPA). Talent-based aid is usually awarded via University-sponsored programs.

Financial aid is awarded based on financial need. At Howard University, more than half of all students receive some form of financial aid. The total amount of financial aid (need and non-need based) awarded to a student cannot exceed his or her total educational costs. Individual program requirements vary and funds are limited, therefore a student's total financial need may not always be met.

Most programs require that a student:

- Is a U.S. citizen or eligible non-citizen and have a valid social security number. (Individuals in the U.S. on F1, F2, J1, and J2 visas are ineligible).
- Be enrolled at least half-time in an eligible degree or certificate program.
- Demonstrates financial need as determined by review of the Free Application for Federal Student Aid (FAFSA).
- Not be indebted to any institution for repayment of any federal grant (Pell or SEOG) or in default on any federal loan (Perkins or Direct Loan).
- Male students born after December 31, 1959 who are at least 18 years old are required to register with the Selective Service System.
- Comply with the federal verification process, if necessary.

Amount of Financial Aid Awards

The cost of attendance budget includes average amounts for all expenses to attend Howard University. These figures are based on the average living expenses in the Washington D.C. metropolitan area. Although many factors help to determine the amount a student receives, the financial aid award is based primarily on the student's demonstrated financial need. A student's need is the difference between the cost of attendance and the amount students and their family are expected to contribute (EFC - expected family contribution). Once a student is admitted to the University, and his or her file is complete, the Office of Financial Aid will update the student's account which is viewable online via BisonWeb.

What is a family's share?

A student and his or her family are primarily responsible for financing the student's education. They are expected to make a maximum effort to assist with college expenses. Students are also expected to contribute to their college expenses from sources that may include savings, summer earnings, monetary gifts from friends and relatives or other sources. Financial aid should be viewed as supplementary to the family's contribution.

How is a family's share determined?

The income and asset information which a student (and his or her parents in the case of dependent students, or a spouse if married) provided on the FAFSA enables the U.S. Department of Education's Central Processing System (CPS) to determine the expected family contribution (EFC)

Minimum Credits Required for Financial Aid Eligibility

	Enrollment Status			
Fall/Spring Semester	Full Time	3/4 Time	1/2 Time	Less than 1/2 Time
Undergraduate	12	9	6	3

Note: Audited courses cannot be included in meeting the minimum required credit hours toward eligibility.

Howard University Refunds and Adjustments of Title IV Funds

Students who withdraw from the University within the first 60% of the semester will receive an adjustment to their student Financial Aid. This adjustment to a student's Financial Aid will be based on a percentage which represents the amount of time remaining in the semester, and will be applied to the total institutional charges assessed to the student, as well as the Title IV financial aid applied to the student's account.

The percentage that represents the amount of time remaining in the semester shall be determined by dividing the total number of calendar days in the semester not completed by the student by the total calendar days in the semester. The total calendar days in the semester begins with the first day of classes, ends with the last scheduled day of exams, includes weekends, but excludes scheduled breaks of five or more days and days that the student was on an approved leave of absence. No adjustments will be made to a student's Financial Aid if the percentage representing the amount of time remaining in the semester is less than 40%.

The University will refund the amounts due from the University and the student to the appropriate Title IV program in the following order:

1. Unsubsidized Federal Stafford Loans
2. Subsidized Federal Stafford Loans
3. Unsubsidized Federal Direct Stafford Loans
4. Subsidized Federal Direct Stafford Loans
5. Federal Perkins Loan

6. Federal PLUS Loans Federal Direct PLUS Loans

If unearned funds remain to be returned after repayment of all outstanding loan amounts, the remaining excess must be credited to any amount awarded for the payment period of enrollment for which a return of funds is required in the following order:

1. Federal Pell Grants
2. Federal SEOG
3. Other grants or loan assistance authorized by Title IV of the HEA.

The University will assume the responsibility for making the appropriate refunds to the Title IV programs for overpayments received by the student, as well as overpayments received by the University. It is the responsibility of the student to pay the University for these overpayments within 90 days of the date that the student withdrew from the University. Failure to repay the University the amounts of the overpayments will jeopardize the student's eligibility for further Title IV financial assistance at Howard University as well as other institutions of higher education.

Satisfactory Academic Progress Policy

Three components of your academic record determine whether you are maintaining satisfactory academic progress: (1) course completion, (2) grade point average (GPA) and (3) maximum eligibility. The requirements in each area vary according to your status as an undergraduate, graduate or professional student, your school/college of enrollment, and your enrollment status (full-time, halftime, or less than-half-time). This federal policy affects your eligibility for all forms of assistance, including but not limited to, the following aid programs:

- Federal: Federal Work-Study,
- Federal Pell Grant,
- Federal Perkins Loan,
- Federal Direct PLUS Loan (Parent loan),
- Federal Supplemental Educational Opportunity Grant (SEOG),
- Graduate PLUS Loan,
- Federal Family Education Loan Program,
- Federal Direct Loan Program (Subsidized and Unsubsidized),
- Nursing Student Loans and;
- Health Professions Loans and Grants.

Private Loans: Students on SAP may only apply for private loans that do not seek a student's academic progression (or lack thereof) as a necessary criterion. This is often done by conducting an internet search.

If AP's are not received within a timely manner, this will subsequently affect the disbursement of a student's aid for that particular semester. If a student changes their classes (by adding or dropping) within the same semester, they must resubmit their AP to the Office of Financial Aid noting the necessary changes and their academic advisor must e-sign those changes. At the conclusion of each semester, a student's performance will be assessed upon the following criteria:

Completion Ratio

Your enrollment status is reviewed at the conclusion of each academic semester (fall and spring) to verify that you have earned the required minimum number of credits during fall and spring semesters. You are required to complete at least 70% of all attempted hours of coursework each academic semester. (E.g. If a student registers for 15 credit hours in the fall semester; 5 (3 credit) courses, they must pass each course with a letter

grade of "C" or better.) Grades or indicators of 'F' (Fail), 'I' (Incomplete), 'U' (Unsatisfactory), 'UW' (Unofficial Withdrawal), 'NR' (Never Reported) all count against your completion ratio. Repeated coursework may not be used in the calculation of your completion ratio and is not covered by financial aid.

Satisfactory Academic Progress will now be evaluated on a per semester basis. It will no longer be evaluated on an annual basis. Once a student finds themselves as being on 'financial aid suspension' per email notification and by checking their BisonWeb account, they then are to initiate the appeal process. Once an appeal has been received, reviewed, and approved by members of the office's Professional Judgment Committee, students must also submit an Academic Plan (AP) to be electronically signed and acknowledged by their major advisor. The AP must have the advisor's signature on it to confirm they have approved the courses a student plans to take and successfully pass in the upcoming semester.

Cumulative Grade Point Average (GPA)

As an undergraduate student, your per semester grade point average (GPA) will be reviewed. Freshmen students with a GPA lower than 2.0 at the conclusion of the fall semester will be placed on Financial Aid Probation. Regardless of the program of study, students who do not meet the required minimum GPA requirements (or academic standards) of the program are automatically SAP suspended.

Maximum Eligibility

A student will maintain financial aid eligibility for a specified period of time. Undergraduate students must complete their chosen academic program within 150 percent of the number of credit hours required for graduation or successful completion. (For example, an undergraduate student may attempt a maximum of 191 credit hours for a program requiring 127 hours for graduation.) Undergraduate students will be notified when they are within 24 credit hours of reaching the expiration of their financial aid eligibility. Students must continue their studies at their expense they have reached their maximum eligibility.

Financial Aid Probation

If at the end of the semester a student is listed as being on PROBATION of any kind (e.g. Probation for Credits, Probation for Grades and Probation for Grades/Credits), the student is still eligible to receive aid for the next semester. A student's probationary status is a warning that he or she must meet all SAP criteria for any subsequent terms of attendance in order to maintain financial aid eligibility. A student does not do need to appeal this status in order to receive aid. Financial aid probation will occur for a student's next academic semester of attendance if he or she fails to earn the minimum number of credits and/or the GPA required. Such students may continue to receive financial aid while on financial aid probation.

Types of Financial Aid Suspension

Your financial aid eligibility will be suspended if you fail to earn the necessary credits or achieve the required GPA while on financial aid probation. At that time, you will no longer be eligible to receive financial aid to attend Howard University. To reinstate your financial aid eligibility, you must appeal to the Office of Financial Aid by the proposed deadline per semester. If a student's appeal is denied for whatever reason, they then may re-enroll and successfully complete the courses they have registered for at their own expense, at least for one semester. At the conclusion of that particular semester, students may then re-appeal to the Office of Financial Aid explaining in a detailed type-written narrative to then request to have their aid reinstated. Students cannot receive financial aid if they do not meet the necessary criteria. Students who have been suspended consecutively will be ineligible for aid reinstatement until they have covered the courses they have registered for at their own expense. Students are more than welcome to seek other sources of funding that include alternative loans that do not consider SAP to be a criterion.

Academic Suspension

You are not eligible to receive financial aid if you have been de-matriculated (academically suspended) from the University. When you have been readmitted by the University; a process students must complete with the Office of Admission, as a Former Student Returning, you must complete the SAP appeal process. Your financial aid eligibility status will be determined based on the SAP criteria and a thorough review of your academic transcript.

Exclusions

The following types of registration and grades cannot be used to fulfill probation, suspension or re-matriculation requirements: credits by special exam, Advanced Placement or CLEP exams, distance education or correspondence courses for which you have not obtained prior approval, audit, withdrawal, incomplete and zero credit courses.

Appeal Process

You may appeal a financial aid suspension status by submitting a completed appeal packet to the Office of Financial Aid within 14 calendar days from the date of your notification. It is the responsibility of the student to follow up with their advisor as often as possible, throughout the semester, by checking their BisonWeb account for updates by checking their financial aid eligibility from one semester to the next, as well as their personal preferred email address for emails on pertinent deadlines and updates.

Types of suspension that **CAN BE** appealed by the appropriate deadline:

Suspension from the University - Student is academically suspended from the University.*

Suspension for Credits - Student did not earn at least 70% of the credit hours attempted in the previous two (2) academic years.

Suspension for Grades** - Student did not earn minimum GPA required for 'good standing' for previous two (2) years.

Types of suspension that **CANNOT** be appealed:

4 Year Undergraduate Suspension - Student has met or exceeded maximum degree timeframe (1.5 times the total minimum credit hours required for degree). 5 Year Undergraduate Suspension - Student has met or exceeded maximum degree time frame (1.5 times the total minimum credit hours required for degree) OR has more than 12 hours of incomplete credits.

SAP Appeal forms are available to suspended students via BisonWeb.

If you have failed to achieve SAP (Satisfactory Academic Progress) because of mitigating circumstances, your appeal packet must consist of the following:

- SAP appeal form with type of suspension indicated per your BisonWeb account,
- Detailed type-written narrative of what led to your suspension status, and explanation of what you intend to do to improve your plan of action, and:
- Copies of all supporting documentation attached.

Mitigating circumstances may include, but are not limited to extreme illness or injury, family crisis, or death of an immediate relative. The circumstances must be documented and will not be considered for approval without the supplemental documentation attached. Examples of documentation include medical documentation, birth or death certificates, etc. Please do not submit letters of stipulation from your school/college along with your appeal documents. If at the end of an academic school year, you have found yourself to be suspended, you may appeal to have your current SAP status reviewed by attending a summer session at Howard University and increasing your GPA or earned credits and then appealing once those grades have been submitted to the Office of the Registrar. It will not be until the summer courses are updated to your account that an evaluation of your courses can be made. Please monitor your BisonWeb account for appropriate

updates as well as the email address you have provided on your appeal form. Summer credits will count toward determining your maximum eligibility for the next school year. You must complete the appeal process at the end of the summer term. Summer credits will count toward determining your maximum eligibility for next school year.

Once your appeal has been received and reviewed by the Appeals Committee, you will receive written notification of the committee's decision by email to the address you have provided in your appeal packet. You will also notice the appropriate changes made to your award package on your BisonWeb account. **Note:** All incomplete appeals will be denied. All appeal decisions are final and the submission of a SAP appeal does not guarantee reinstatement of aid eligibility. **Students who are currently SAP suspended are strongly advised to create alternate financial plans in the event your appeal is denied.**

Additional SAP Requirements

If you are listed as being SUSPENDED FROM THE UNIVERSITY, the appeal process is two-fold. Step 1: You must appeal to your school/college as well as Step 2: the Office of Financial Aid. It is your responsibility to stay abreast of deadlines. Stipulation letters do not ensure financial aid reinstatement and one is not contingent upon the other. For further inquiries please contact the Office of Financial Aid at <http://www.howard.edu/financialaid/contacts/staff-finaid.htm>

Although you may not be receiving financial aid, you will be evaluated for financial aid eligibility on the same basis as students who receive federal and state aid. Should you apply for aid, your eligibility will be based on your prior academic performance at Howard University.

- If you are enrolled in a dual degree program, you may appeal for an extension of the maximum time frame provision of this policy.
- If you are an undergraduate student pursuing a second degree, you may attempt an additional 48 credit hours to complete your second degree program, including prerequisite courses. Graduate/professional students may attempt an additional 24 credit hours.
- If you are a transfer student, your maximum eligibility will be reduced by the number of transfer credits accepted by Howard University.

Credits you have earned at foreign institutions will be included in your SAP evaluation provided they are applicable to the degree/program sought.

Courses in which you receive a grade of 'I' (incomplete) accompanied by a letter grade will be considered when evaluating your completion ratio and will influence your term and cumulative GPA. All attempted and earned credits are considered in maximum eligibility determination.

Courses in which you receive a grade of 'W' (withdrawal) do not earn credits or affect your GPA, but they will be considered when evaluating your maximum eligibility. You may retake courses from which you withdraw and those credits will count toward determining your enrollment status and completion ratio, provided you have not earned credit for the same course.

If you are enrolled in undergraduate remedial courses, credits attempted/earned will count toward determining your enrollment status, minimum credits earned and maximum eligibility.

If you take undergraduate courses while you are a graduate student, courses that are satisfactorily completed do not earn graduate credit or influence your graduate GPA, nor will they count toward determining your enrollment status or minimum credits earned at the graduate level.

All undergraduate and prerequisite courses are evaluated in SAP Maximum Eligibility.

If you are taking courses to earn professional licensure, you must be admitted to a degree program in order to receive financial aid. Students completing licensure courses and are not seeking a bachelor's, master's, or doctoral degree are not eligible for financial aid.

The credits earned from repeated courses will count toward the determining your enrollment status and maximum eligibility. However, for purposes of financial aid satisfactory academic progress, only credits adding to the cumulative credits earned will be accepted toward the required minimum number of credits earned per year.

If you attend a summer session and wish those credits/grades to be considered for your fall and spring total, you must complete the appeal process at the end of the summer term. Summer credits will count toward determining your maximum eligibility.

Federal Financial Aid Unofficial Withdrawal Policy

Howard University is required by federal law to identify and report any student who has unofficially withdrawn from the University and is a recipient of federal student aid. As a result of this requirement, it is the policy of Howard University that all faculty members, by the end of the Mid-term of each semester, identify students who have never attended class.

Schedule of Financial Adjustments and/or Refunds

Students who make changes to their academic program after the first day of instruction may be subject to adjusted or prorated tuition and fees. The adjustment periods and corresponding fee changes are listed in the University Calendar.

If the University cancels a students' registration, the refund is 100%. Please also note that the above refund policies apply to total semester charges. If a due date falls on Saturday, Sunday, or a holiday, the next business day shall be the deadline that will apply.

NOTE: THE ENROLLMENT FEE IS NON-REFUNDABLE.

Consortium of Universities of the Washington Metropolitan Area (CUWMA)

The CUWMA is a cooperative arrangement in post-secondary education that is designed to permit the sharing of academic resources by member institutions and to offer qualified students the opportunity to enroll at other institutions for courses not available on their own campus.

Howard University offers its qualified undergraduates and graduates degree students the opportunity to enroll in courses at American University, Catholic University, Corcoran College, Gallaudet University, Georgetown University, George Mason University, George Washington University, Marymount University, Trinity University, University of the District of Columbia, and the University of Maryland College Park.

REGISTRATION FOR THE CONSORTIUM PROGRAM IS COMPLETED AT HOWARD UNIVERSITY BY THE CONSORTIUM COORDINATOR IN THE OFFICE OF THE REGISTRAR.

HOWARD UNIVERSITY STUDENTS DO NOT HAVE TO REGISTER AT THE VISITED INSTITUTION.

Requirements:

- Must be a fully admitted degree seeking student.
- Must be and remain in good Academic and Financial Standing in order to apply for the Consortium Program.
- Consortium credit hours cannot exceed the number of credits registered for at HU. Students who drop below the required credits at HU, your Consortium registration will be canceled no exceptions.

Procedure:

- Check class schedules of the Consortium Institutions at www.consortium.org

******Availability of classes cannot be guaranteed. Courses may be closed or subject to approval from the dean/department at the visited institutions. If special permission is needed, Students must obtain written permission from the instructor and submit it with the Consortium Registration form.***

Please Note.

Consortium Registration dates are determined by HU Registration dates.

All Consortium Registration for Howard Students is completed by the HU Consortium Coordinator. Once registration is completed at HU, students may be required to present consortium registration form.

Consortium courses will be added to students HU schedule.

Consortium institutions do not register visiting Consortium students until the first week of class.

The University of Maryland does not register visiting Consortium students until the first day of classes.

Students must adhere to HU drop and withdrawal deadline. To drop or withdraw students must contact the Consortium Coordinator.

All grades are submitted to the HU Coordinator and will be posted upon receipt. Grades may be delayed depending on the administrative processes of the home and visited institutions.

Submitting a registration form is not confirmation of registration at the Host institutions. Students will receive a registration confirmation via email from the Host institution at the beginning of the semester. Any fee or extra expense attached to a course or tutoring service is not covered in the Consortium Agreement and must be paid by the student to the institution administering the course or service.

Any Prospective Graduate interested in participating in the Consortium Program take note: HU semester usually ends earlier than most of the host institutions. Therefore, be advised that grades may not be submitted in time to meet HU graduation deadline.

It is taken into consideration that some institutions' semester may start later than HU. In these cases, the Drop deadline for Consortium only extends to the first day, and only the first day, of classes at the visited Consortium institution. This Extension does not apply to Howard University Classes. Students are required to inform the Consortium Coordinator the very next day of your intention to drop the class. Any decision to drop after the first day of classes at the host institution will result into a withdrawal (W for that class).

If the course is canceled, please contact the Consortium Coordinator immediately.

To drop or withdraw from a Consortium course, students must report immediately to the Consortium Coordinator and complete a withdrawal form. CONSORTIUM COURSES SHOULD NOT BE DROPPED ON BISONWEB. Consortium grades for Howard University students are received in the Office of the Registrar and automatically recorded on the student's permanent academic record.

Consortium information and materials are available in the Office of the Registrar located in the Administration Building-Suite 105.

General Academic Information

Definition of a Credit Hour

In accord with federal regulations, a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates:

Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for approximately fifteen weeks for one semester; At least an equivalent amount of work as outlined in item 1 above for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Credit or credit hour

A unit of measure representing the equivalent of an hour (50 minutes) of instruction per week over the entire term. It is applied toward the total number of credit hours needed for completing the requirements for a degree, diploma or certificate, or another award.)

Curriculum Review

The Curriculum Committees and Deans of each School or College are charged with following the policy on credit hours in their review and approval of all courses and for certifying that the expected student learning for the course meets the credit hour standard. The determination of credit hours is made when a new course or a revision to an existing course is proposed. The submitted syllabus is examined for contact time as well as for assignments and evaluation mechanisms.

Examinations

The number of examinations administered in a course varies according to the method of instruction. Where midterm examinations are scheduled, they are given near the middle of each course. Final examinations are held at the end of each semester and are a required part of each course in most schools and colleges. For additional information and exceptions to the above, students should consult the individual schools and colleges.

Classification of Students

The number of credits which each student has accumulated determines that student's classification. Students who have received a score of three or higher on any of the Advanced Placement Examinations of the College

Board will be eligible, in the area of each examination, for advanced placement and credit toward graduation as determined by the appropriate department. They will also qualify for exemption from certain general education courses as specified by the dean on the basis of the student's total record. Students may not receive credit toward graduation for Howard University courses that are equivalent to courses for which they have received advanced placement credit. All other advanced standing is determined by the individual schools and colleges within Howard University.

Major

A major sequence of study is a series of courses prescribed by a given department as necessary for a concentration in that department. A major ordinarily includes 30 to 39 credits earned in a single department or in closely related departments.

Minor

A minor sequence of study is a combination of courses intended to broaden students' perspectives and buttress their major areas of concentration. A minor generally consists of 15 to 18 credits earned in one or more areas outside of the student's major department.

Elective

An elective is a course which students may choose to take for credit toward earning their degrees.

Grading System

Except where indicated otherwise in school/college bulletins, the following grading system is used at Howard University: A—excellent scholarship, 90 and above; B—good, 80 to 89; C—fair, 70 to 79; D—poor, 60 to 69; F—failure, below 60; W—withdrawal, has no grade value and is, therefore, not calculated in the term of cumulative grade point average; I—incomplete. A grade of D cannot be raised to a higher grade by re-examination. Required courses in which students receive failing grades must be repeated.

Grade Point Average (GPA)

The grade point average is determined by multiplying the number of credit hours of the course by the point value of the grade received for the course (A, 4; B, 3; C, 2; D, 1; F, 0; W not calculated). The resulting products (quality points) are then summed and divided by the total number of credit hours. The grade point average is computed for all courses attempted, excluding courses repeated.

Program of Study

Effective Fall 2013, a total of 120 credits are required for the baccalaureate degree*. The typical program includes a major field (21-78 credits), a minor field (12 - 39 credits), a core group of general education studies, and electives. The specific details of the general education requirement vary among the schools.

* Specialized programs in studio art and architecture have additional credit hour requirements.

Afro-American Studies Requirement

All undergraduate students are required to complete at least one course in Afro-American studies. Courses which satisfy this requirement are offered by several departments.

Residency Requirement

The majority of the individual schools and colleges at Howard University require that students spend the last 30 credit hours of undergraduate study in residence at the University in the school or college in which the degree is awarded.

GPA Requirement for Graduation

To receive a Bachelor of Arts or Bachelor of Science degree, students must have a cumulative grade point average of at least 2.0 on a 4.0 scale. Additional grade requirements are determined by degreegranting School or College.

Honors

Students will be graduated with honors under the following conditions: those with a cumulative grade point average (GPA) ranging from 3.20 through 3.49 will be graduated cum laude; those with a cumulative GPA ranging from 3.50 through 3.79 will be graduated magna cum laude, and those with a cumulative GPA of 3.80 or higher will be graduated summa cum laude.

Grades in noncredit courses are not considered in determining eligibility for honors. Although the policy varies according to the individual schools and colleges within the University, generally students are not eligible to receive these distinctions at graduation if they have not completed the last half of the work required for their degree in residence at Howard; if they have repeated courses to raise their GPA; or if they have not carried at least 12 credits for each semester enrolled, with the exception of the last semester in residence.

Students who have excelled academically are honored by having their names placed on the Dean's Honor Roll. Generally, this honor roll is published annually and includes honor students from the preceding school year. The GPA required differs among the schools and colleges according to their specific policies.

Time Limitation

There is no strict regulation with respect to the total amount of time in which undergraduate students must fulfill their degree requirements, provided they maintain an appropriate grade point average and give evidence of being seriously interested in the eventual achievement of their academic objectives.

Attendance

All students are expected to attend classes regularly and promptly. Students who are absent from classes are held responsible, nevertheless, for the entire work of the course. Members of the faculty will hold students responsible for regular and prompt class attendance. Any student who does not take a scheduled midterm or final examination must obtain the approval of his instructor in order to take a 69 substitute examination. A student who does not secure such approval will receive a grade of zero for the examination missed.

Academic Suspension

Any student who fails to remove his/her probationary status within one semester, exclusive of summer sessions, will be suspended. Official notification of suspension will be sent from the Office of the Registrar.

A one-semester extension of the probationary period may be requested by appealing in writing to the Dean of the School or College no later than 60 days prior to the first day of classes for the fall semester and 15 days prior to the first day of classes for the spring semester.

If the appeal is granted, the student will be required to follow specific stipulations during the extension period. If the appeal is denied, the student is not eligible for readmission for at least one semester.

Readmission Policy on Academic Probation & Suspension

A student enrolled in any of the undergraduate schools and colleges whose cumulative grade point average is less than 2.0 at the end of the first semester or any subsequent semester will incur academic probation.

Students who have achieved junior status or are in the professional phase of the following programs will incur probation if their cumulative grade point average falls below 2.5 in the School of Education, The College of Pharmacy, and The College of Nursing and Allied Health Sciences.

Regulations Governing Students on Probation

Students on probation must adhere to the following conditions for continued enrollment: Enroll in a maximum of 13 credit hours if full-time, and seven hours if part-time.

Establish and maintain contact with their designated school/college advisor (Dean, faculty advisor, advisory center, or student services unit) for academic advising, counseling, assistance, and referral to support services at least once per month.

Probationary status will be removed when the student has achieved a cumulative average of at least 2.0.

Probationary status must be removed within one semester, exclusive of summer sessions, or the student will incur a suspension.

Any student who voluntarily withdraws from the University while on probation will be subject to stipulations as a condition for readmission.

Readmission After Academic Suspension

Requests for readmission must be initiated by submitting to the Office of Admission, at least 60 days prior to the registration period, an application for admission and, a completed petition for readmission to the school or college in which the student was last enrolled.

The request should include a description of the student's activities during the suspension period, the steps that have been taken to ensure success if the request is approved, and appropriate supporting documentation.

Requests for readmission will be reviewed by the appropriate designee of the school of last attendance and an admission committee, which will render a decision based on the student's previous academic record, contents of the request for readmission, and other relevant factors.

Upon readmission after suspension, students must adhere to the conditions outlined below. Failure to meet these stipulations will result in automatic suspension from the University.

The student shall establish and maintain contact (at least once per month) with designated school/college advisor (Dean, faculty advisor, advisory center, or student services unit) for academic advising, counseling, assistance, and referral to support services.

The student shall enroll in appropriate courses in the Center for Academic Reinforcement and/or other support programs as stipulated by the admission committee.

Enroll in a maximum of 13 credit hours if full-time, and seven credit hours if part-time, until the cumulative grade point average meets the requirement for removal of probation.

Remove all deficiencies during the next semester of enrollment (or the next semester when the courses are offered) before proceeding with the published program for their degree.

Earn a minimum grade of C in each course or earn the required grade point average stipulated by the admission committee until the cumulative grade point average meets the requirements for the removal of probation.

Failure to meet the above conditions may result in academic suspension.

GRADE POINTS & GRADE POINT AVERAGE (GPA)

The grade point value is determined by multiplying the number of credits (also called hours) a course yields by the grade received for the course. Grades yield points as follows: A = 4; B = 3; C = 2; D = 1; F = 0; W, AD, P, S, U, and UW (not calculated).

The semester grade point average (GPA) is obtained by dividing the number of semester grade points earned by the number of credits attempted for the semester. For example, a student attempts five courses totaling 13 credits for the semester, and receives grades as follows:

Course 1 (3 credits) — "A"

Course 2 (3 credits) — "B"

Course 3 (2 credits) — "B"

Course 4 (1 credit) — "C"

Course 5 (4 credits) — "D"

Total semester grade points earned for courses 1 through 5 are respectively:

$$(3 \times 4) + (3 \times 3) + (2 \times 3) + (1 \times 2) + (4 \times 1) = (12 + 9 + 6 + 2 + 4) = 33.$$

$$\text{Semester GPA} = 33 \div 13 = 2.54.$$

The cumulative (or overall) GPA is determined by dividing the number of cumulative (or total) grade points earned at Howard University (including grade points for the most recent grading period) by the cumulative (i.e., total) number of credits attempted at Howard University. For example, a student who has previously attempted 65 credits at Howard University and earned 160-grade points with an old cumulative GPA of $160 \div 65 = 2.46$. The new cumulative number of credits attempted at Howard University = $65 + 13 = 78$; and the new cumulative grade points earned = $160 + 33 = 193$. The new cumulative GPA = $193 \div 78 = 2.47$.

The grade point average is computed for all courses not officially canceled that have been taken and/or repeated in the student's program of study.

All Incomplete Grades

(other than grades for Thesis & Research) must be completed by the student no later than the last day of classes of the next semester of enrollment. Instructors must submit Special Grade Reports for removing incomplete grades by the last day of the semester.

Semester Grades

At the end of each semester, semester grades are available to students via the BisonWeb. Semester grades will be mailed to parents when authorized by the student.

Course Repeat Policy

An undergraduate student may repeat only once a course for which he/she has received a grade of "D" or "F". The lower grade will not be counted in the computation of the GPA. Exceptions to repeating a course more than once will be made only if it is a major or minor requirement for which the minimum grade of "C" is required, or if a student is ineligible to advance to the next level without a passing grade. All subsequent repeats, after the first one, will be counted in computing the GPA.

In all course repeats, the failing or previous grade is not expunged from the academic record. Students are not eligible to graduate with honors if they have repeated a course(s); they have not carried at least 12 credits for each semester enrolled, with the exception of the last semester in residence, and they have not completed the

last half of the work required for their degree in residence at Howard University.

SPECIAL NOTE: In all cases of course repeats the failing or previous grade is NOT expunged from the academic record.

Transcripts

Academic transcripts are issued by the Office of the Registrar, which is the University-designated office for maintaining official academic records of all students currently or previously enrolled. Students are encouraged to use BisonWeb to request transcripts and pay the \$5.00 fee with a credit card online. Students who are unable to use BisonWeb to request a transcript may submit a request in writing. Written requests for transcripts will be honored only if the following conditions are met: requests must contain the written SIGNATURE OF THE STUDENT OR FORMER STUDENT whose record is being requested; student must be CLEARED FINANCIALLY (have no "holds" on account especially holds by Student Financial Services request must contain HU identification number or other information to allow us to identify the record (e.g. social security number, date of birth) in cases where the student does not remember the identification number; and the request must be accompanied by a \$5.00 fee by check or money order to Howard University.

Students who wish to review their grades or their complete academic record can do so via BisonWeb and print out semester reports of their entire record. All transcript requests will be honored as expeditiously as possible (usually processed within 24 hours of receipt in the Office of the Registrar). Transcript requests that must be accompanied by special forms to be completed by schools for licensing or other accrediting agencies, will also require greater turnaround time to process. Please plan accordingly to allow sufficient time to meet your individual needs. Transcripts requested for "pick up" at the service window will be held for 30 days only. After 30 days, students will need to submit a new request and fee. See the Office of the Registrar website for information on additional policies that may apply.

Academic transcripts issued by the Office of the Registrar reflects, in chronological order, the COMPLETE and UNABRIDGED history of ALL academic endeavors attempted and/or earned by the student. "Partial" transcripts are not furnished.

Certification of Enrollment

Certifications consist of written verification of a variety of student enrollment-related data such as date(s) of attendance full-time/part-time status, and degree(s) received. Currently enrolled and former students can access BisonWeb for an Enrollment Verification Certificate. Some certifications may be furnished directly to various individuals or agencies such as prospective employers, official investigators, lending institutions, or government agencies. Howard University has authorized the National Student Clearinghouse to provide enrollment information for such requests. The National Student Clearinghouse can be contacted at:

Web: www.degreeverify.org.

Mail: National Student Clearinghouse
2300 Dulles Station Boulevard, Suite 300
Herndon, VA 20171

In all such cases, the information released about students shall satisfy the provisions of the Family Educational Rights and Privacy Act of 1974 and University policy.

Various Student Services and Support

DISABILITY SUPPORT SERVICES

<https://studentaffairs.howard.edu/diversity-inclusion/disability-services>

The Office of Student Services works to ensure students with disabilities are provided equal access to university programs, activities and services by determining reasonable accommodations as appropriate. To learn about available services and the process for requesting such, please visit our website or send email to oss.disabilityservices@howard.edu or call 202-238-2420

MILITARY AND VETERANS' SERVICES

<https://studentaffairs.howard.edu/military-veterans-services>

The Military and Veterans Services Office provides support for Veterans, Active Service Members, Reservists, family members and dependents of veterans in their educational goals, while also engaging the university community in creating an inclusive, transformational environment that provides a platform for innovation and inclusion. The Military & Veterans Services office serves as a bridge between, the US Veterans Affairs Administration (VA) and Howard University.

Howard University is approved by the US Veterans Affairs Administration to offer Veterans Education benefits for undergraduate and graduate courses. The office of Military and Veterans Service facilitates the certification of enrollment process for student to request VA benefits. The following is a list of the approved veteran benefits that are offered at Howard University: Chapter 30 - Montgomery GI Bill®, Chapter 31 - Vocational Rehabilitation & Employment, Chapter 33 - Post 911 GI Bill®, Chapter 35 - Dependents' Educational Assistance (DEA) Program, Chapter 1606 - Montgomery GI Bill®, and the Yellow Ribbon Program. To learn more about these benefits visit <https://www.va.gov/education>.

For more information on using your VA Educational Benefits at Howard University, please visit our website <https://studentaffairs.howard.edu/militar-veterans-services> or contact us by phone at 202-238-2420 or email oss.veteransservices@howard.edu.

Pending Payment Compliance Statement in Accordance with Title 38 US Code 3679(e)

In compliance with Title 38 United States Code Section 3679(e), Howard University has updated its academic regulations regarding participation of covered individuals in courses of education and the prohibition of assessment of penalties for those individuals related to delayed VA funding. Covered Individuals: A covered individual is any individual who is entitled to receive educational assistance under one of the following chapters: chapter 31, Vocational Rehabilitation and Employment, chapter 33, Post-9/11 GI Bill® benefits, chapter 30 or 1606, Montgomery GI Bill®, chapter 35, Dependents Education Assistance. A covered individual must provide a certificate of eligibility. A certificate of eligibility can also include a Statement of Benefits obtained from the Department of Veterans Affairs" (VA) website – eBenefits, or a VAF 28-1905 form for chapter 31 authorization purposes. Certification to Receive Veterans Benefits: Students must notify the Veterans Services Office each semester that they are ready to be certified. Failure to notify the office may result in classes not being certified and students may be dropped from their classes. Students must follow a Howard University College degree plan to receive their benefits.

Students should meet with a counselor every semester for assistance in selecting courses. Any covered individual will be allowed to attend or participate in their courses during the period beginning on the date on which the individual provides a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33, and ending on the earlier of the following dates: (1) date on which payment from the VA is made to Howard University; or (2) 90 days after the date the Veterans Services Office certifies tuition and fees following the receipt of the certificate of eligibility.

Howard University will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other Howard University facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial

obligations to Howard University due to the delayed disbursement funding from VA under chapter 31 or 33. Except for dissertation and limited research courses, the VA will not pay for the student to repeat any course that is successfully passed.

ROTC

ROTC offers a program that leads to a commission as an officer in the Army or the Air Force. It is an elective and can be taken by those who desire it just like any other course. For additional information, call Army ROTC at (202) 806-6784 or Air Force ROTC at (202) 806-6788.

INTERNATIONAL STUDENTS

Immigration and Naturalization Service (INS) regulations governing nonimmigrant international students require that all students in the "F-1" and "M-1" visa categories be engaged in a full course of study. Undergraduates with "F-1" visas are required to be registered at all times for a minimum of 12 credit hours of course work. Graduate students with "F-1" visas and all "J-1" visa holders are not required to take a specific number of credit hours as long as they are engaged in a full course of study as determined by their departments. Students must maintain full-time status throughout the semester. A student who begins with 12 credit hours or more but then drops courses later and no longer carries 12 credit hours is considered a part-time student. Students who do not meet these requirements are in violation of their immigration status and jeopardize their stay in the United States. All financial arrangements for study at Howard University must be made prior to registration time.

It is each student's responsibility to maintain legal immigration status while in the United States and must make sure that their authorized stay in the country has not expired (see 1-94 form); that their passports are valid for at least 6 months at all times; that they are registered every semester as a full-time student; that they do not work off campus without permission of the INS; that they attend the school that the INS last authorized you to attend.

International students must apply to INS to (1) extend their authorized stay in the United States, (2) obtain permission to work off campus and (3) transfer from Howard University to another school or from another school to Howard University. Further information and appropriate application forms can be obtained from [International Student Services in Room G- Administration Building.]

If a student's immigration status change for any reason — for example, from a tourist visa to student visa or from student visa to permanent resident — are required to immediately inform International Student Services so that the University will have accurate records. International students are required to provide their current address.

Photo Identification Cards

Student photo ID cards are issued by the BisonOne Card Office to incoming students (i.e., New Students, Transfer Students, and Former Students Returning) during the official registration period for a given semester. Each officially enrolled Howard University student is expected to maintain continuous possession of his/her photo ID card throughout his/her period of attendance at the University.

Replacement of photo ID cards that are lost, stolen, or damaged, may be obtained at the I-Lab Photo ID room located at the Bryant Street side entrance of 2301 Georgia Avenue. In order to secure a replacement ID, students must pay a \$25.00 fee and present an acceptable photo ID.

Bookstores

THE UNIVERSITY BOOKSTORE is located at 2225 Georgia Ave. NW. It stocks textbooks, reference materials, academic supplies, art, computer hardware, software, apparel, and gifts. Hours of operation are 9:00 am to 6:00 pm Monday through Friday (except Thursday); 9:00 am to 7:00 pm Thursday; 10:00 am to 4:00 pm Saturday. To contact the Howard University Bookstore, please call (202) 238-2640.

THE SCHOOL OF LAW BOOKSTORE is located at 2900 Van Ness St. NW on the lower level of Holy Cross Hall. It provides course books, study aids, legal outlines, school supplies, and convenience items. Hours of operation are 9:00 am to 5:00 pm Monday through Friday. To contact the School of Law Bookstore, please call (202) 806-8108.

The Office of Undergraduate Studies

The mission of Office of Undergraduate Studies is to facilitate the successful matriculation of undergraduate students by offering academic support services and programs that will result in improved persistence, retention, and graduation rates. Specific services include:

- Academic advising and retention counseling
- Graduation clearance and degree completion support
- Academic policy and petition guidance
- Academic support courses, workshops, and services
- Professional development opportunities for staff and faculty advisers
- Honors and scholar development programs
- Academic mentoring
- New student orientation
- Transfer student support services
- Comprehensive career services

The University Counseling Service

The **University Counseling Service** has a staff of professionally trained counselors and psychologists available to assist students with their concerns. The UCS offers educational, career, and personal counseling on either an individual or group basis. Services are at no cost to all registered students — regardless of college or school in which the student is enrolled.

The University Counseling Service is located in the C.B. Powell Building Wing 1, Ground and First Floors. Students are welcome to call for an appointment or to drop in for a visit between 8:00 am and 6:00 pm, Monday through Friday. For further inquiries on the University Counseling Service, please call (202) 806-6870.

Student Records

POLICY GOVERNING THE MAINTENANCE OF STUDENT RECORDS, THE RIGHTS OF STUDENTS REGARDING SUCH RECORDS, AND THE RELEASE OF INFORMATION ON STUDENTS TO THIRD PARTIES Approved by the Board of Trustees, September 27, 1975

IT IS THE POLICY OF THE BOARD OF TRUSTEES OF HOWARD UNIVERSITY THAT:

Students should have access to information about themselves in the University record-keeping systems. An individual student shall be accorded the right to correct or amend, upon reasonable request, an inaccurate record. The information contained in a student's educational record file shall not be disclosed or used for other

than authorized University purposes without his or her written consent unless required by law. Student files shall be retained for a reasonable period of time. The Office of the Vice President for Student Affairs is hereby charged with the responsibility of implementing the policy within the following guidelines.

GUIDELINES

Confidential Nature of Student Records—Student educational records, except as herein set forth in this policy statement, shall be kept confidential, with respect to requests made by all persons other than appropriate school officials, as determined by the President, or other Executive level officers of the University or parents of a dependent student, as defined for income tax deduction purposes in Section 152 of the U.S. Internal Revenue Code.

Release of Information to Investigators — When written consent has been received by the University from a student who is the subject of a governmental or employment investigation, information requested by such investigator from records or such students may be released through authorized staff personnel of the University within whose offices such records are maintained upon proper identification of the investigator. Investigators must adequately identify themselves through the display of official credentials, must indicate the agency they represent and demonstrate a satisfactory basis for their request. Even as to such investigators, information in student records, not priority released will be withheld if a student timely notifies Office of the Registrar in writing that he or she has withdrawn his or her prior consent. Student consent forms with reference to their educational records should be filed with the Office of the Registrar that will, in turn, notify appropriate offices of the University that such consent has been given and in the event, such consent is withdrawn will direct these offices to discontinue release of such information.

Student Educational Records — The Office of the Vice President for Student Affairs shall prepare annually a list of the various categories of student educational records extant in the University. This list shall be promulgated in such ways as to afford students an opportunity to know of the kinds of records kept and their location. The list shall contain a summary explanation of the kinds of records kept under each category (e.g., Academic Records), and the cost, if any, which will be charged to the parent or student for reproducing copies of such records. It shall be known as the Student Educational Records List.

Student Addresses and Telephones —Officers and employees of the University will not normally release addresses or telephone numbers of students to persons not officially connected with the University. There may be an exception in cases of emergencies. Requests under claimed emergencies will be referred to the Office of the Dean for Special Student Services or the Office of the Dean of Residence Life for the purpose of making a judgment as to whether, under the circumstances, such information should be released.

Student Review of Records

A student may make a written request to review an educational record of a type found on the Student Educational Record List at any appropriate University office at any reasonable time. Upon receipt of such requests, the office involved will make the arrangements necessary to accommodate requests for review of student records as soon thereafter as practicable. A student may waive in writing the right to review letters of recommendation written on his or her behalf or at his or her request which has been placed in his or her educational record after January 1, 1975. If a student challenges the contents of his or her student educational records on the grounds that they are either inaccurate, misleading or otherwise recorded in violation of his or her rights he or she shall be accorded a hearing in order to provide an opportunity for the correction or deletion of any inaccurate, misleading or otherwise inappropriate data contained therein, and to insert into such record, where found to be warranted, a written explanation from an appropriate source respecting the content of such records. The hearing shall be conducted by a person designated by the President of the University or his designee. Such person shall not have a direct interest in the outcome of the hearing. It should

be expressly understood that such a hearing is not to be used as a forum to contest whether a teacher should have assigned a higher grade because a student or parent believes that the student was entitled to a higher grade.

Records Not Subject to Review

Records maintained by the University with respect to which a student does not have a right of review include but are not limited to instructors' or administrators' notes, financial statements submitted by parents in support of applications for financial aid, and letters of recommendation received by the University prior to January 1, 1975.

Faculty Review of Student Academic Record

Individual faculty members may review academic records of their students with the students' consent, except that such consent shall not be necessary for faculty members who serve as advisors and other administrative officers or counselors of the University in the discharge of their official functions. Research Involving Student Records The University recognizes research by graduate students, faculty, and administrative staff as a fundamental component of its overall mission. Occasionally such research involves the use of data that is to be extracted from student records which are essentially confidential. Approval to conduct such research must first be obtained from the person in charge of the involved discipline(s) and, following this, authorization to utilize student records must be obtained from the administrative officer under whose jurisdiction the records which are to be utilized are maintained. In such instances, the administrative officer maintaining custody of such records shall make every effort to ensure the anonymity of identifying information contained in the records utilized.

Removal of Records from Custodial Office

Except, as required, in cases involving litigation, a student's permanent academic record may not be removed from the Office of the Registrar. Copies of the content of such records may be made available to administrative staff officials in conducting official business involving such records.

Retention of Student Records

Admission applications (of individuals who actually enroll) and academic records shall be maintained indefinitely by the Office of the Registrar. Records of student financial indebtedness to the University shall be maintained on an indefinite basis. Health records on students shall be kept for a period of five years after graduation or anticipated date of graduation. Student personnel records shall be retained for two years following graduation. Disciplinary records of students involving sanctions less than expulsion or indefinite suspension shall be maintained by the Office of the Vice President for Student Affairs for a period of five years following the graduation of such individuals except that in cases where the student does not graduate, the record shall be maintained for a period of eight years following the last enrollment. Records of students who are expelled or suspended indefinitely, whether for academic, health or disciplinary reasons, shall be maintained on an indefinite basis. Records of convictions of students who are convicted in civil courts of (1) misdemeanors involving moral turpitude, and (2) all felonies may be retained by the Office of the Vice President for Student Affairs for a period of five and eight years, respectively, following such convictions.

Requests for Judicial Process

When any subpoena or other judicial order is issued requesting information about a student, the officer receiving the order or subpoena shall immediately contact the Office of the General Counsel.

ADMINISTRATIVE PROCEDURES RELATING TO THE RIGHTS OF STUDENTS REGARDING RECORDS MAINTAINED ON THEM BY HOWARD UNIVERSITY

1. The University will at least annually, provide notice to students, of the following:

1. the types of educational records and information contained therein directly related to students and maintained by the University;
 2. the name, position, and campus location of the official responsible for the maintenance of each type of record to which students have a right of access; and
 3. the categories of information, if any, which the University has designated as directory information.
2. A student desiring to review a reviewable University record shall execute in writing a form entitled "Request for Review of Student Record" obtained from and provided by the office concerned. A record of all requests for review of records by students, including the disposition thereof, shall be maintained by all offices of the University in which such requests are made. In instances in which a student requests a review of the contents of a University record, the office involved shall provide for such review with an appropriate official of the office within a reasonable time. Costs incurred in connection with furnishing a student a copy of anything contained in the University record and requested by such student will be borne by the student. Such appropriate costs will be established by the Vice President for Fiscal Affairs in consultation with the Vice President for Student Affairs.
3. A student, who after having reviewed a University record, is of the opinion that such record contains information or material that is inaccurate, misleading or should not be maintained by the University, must first execute in writing a form entitled, "Request for Purge/Removal of University Record" obtained in the office concerned. Upon the receipt of such request, the administrative officer of the office involved shall carefully review the request and make an appropriate disposition. In considering such request, the University official(s) involved will make a diligent effort to resolve the matter informally, amicably and in the best interests of the student and the University. If the student making the request objects to the action taken, he/she may request in writing a hearing in which the propriety of the action taken may be contested. It should be expressly understood that such a hearing is not to be used as a forum to contest whether a teacher should have assigned a higher grade because a student believes that he or she was entitled to a higher grade.
4. Upon notice that the student wishes to have a hearing, the office involved shall notify in writing the Office of the General Counsel of the University. A hearing officer, for the purpose of hearing appeals requested by students, shall be designated by the Office of the General Counsel. The hearing officer shall schedule the date, time and place of such hearing. Upon notice from the hearing office, the Dean or Director of the office involved shall provide written notification to the student as to the date, time and place of the hearing. The Dean or Director will select one person to be the University representative at such hearing.
5. At all such hearings, the student and the University representative will be accorded the following procedural rights:
1. Advance notice of the date, time, and place of the scheduled hearing
 2. Personal appearance
 3. To present their case or have the same presented in their behalf by anyone of their choice;
 4. To present evidence and to call witnesses.
6. The hearing officer will render a written decision and provide the student petitioner and the University representative with a copy of the decision within a reasonable period following the conclusion of the hearing. Where the student involved receives an adverse decision, he shall have a right to petition the Vice President for Student Affairs for an appeal. Both the student and the University representative may submit a written argument in support of their position. The Vice President for Student Affairs may decide on the petition that no further hearing of the matter is required or he may decide to reopen the matter and hear the case over again. Where the Vice President for Student Affairs determines that there need be no further hearing, the decision rendered by the hearing officer will be final. Where the Vice President for Student Affairs decides to reopen the case, the decision rendered by him shall be final.

STUDENT EDUCATIONAL RECORD LIST

Records the University maintains on students are described and listed below. Offices maintaining such records are specified and their locations indicated. These offices are open Monday through Friday (except holidays) from 8:30 am until 3:00 pm.

Academic records — Academic records on students contain applications for admission, (including applications for readmission), the Howard University permanent record (containing all grades duly recorded), instructors' grade reports, and copies of official forms or reports reflecting, special grade reports and records of all total withdrawals from the University by students. The above records are maintained by and located in Office of the Registrar, Suite 104, Mordecai Wyatt Johnson (Administration) Building.

SPECIAL NOTE ON ACADEMIC RECORDS

Records bearing directly on the academic status of students are also maintained in the offices of the appropriate academic Dean, the department in which students' major programs are supervised and coordinated as well as the offices of student advisors of the respective schools and colleges in which such students are enrolled. These records generally include SAT (Scholastic Aptitude Test) and CEEB (College Entrance Examination Board) scores, high school transcripts, college/university transcripts for institutions previously attended, high school equivalency (GED) scores and certificates of completion (in specialized areas), and the like, such as in the case of international students—a certificate evidencing adequate familiarity with the English language. The locations of these specific offices may be ascertained by inquiring at the office of the appropriate academic Dean.

Violations of the University Code of Conduct and Criminal Laws Records

Records on individual students who have been implicated in violations of the University Code of Conduct and/or locally operative criminal laws and as a result of which the University Office of Security and Safety Services has become involved. Records of the above-listed incidents are maintained by and are located in the Office of Security and Safety Services, 2nd floor, Service Center Building, 2244 10th Street NW (202-806-1073).

Disciplinary Records, Student Misconduct Records, and Records of Infractions of Code of Conduct

Records of student conduct involving infractions of conduct standards established for students are maintained by and are located in the Office of the Dean for Special Student Services, Room 725, Howard Center, 2225 Georgia Avenue.

Financial Aid Records

Financial aid records of students contain applications for financial aid or part-time employment (including work study), credentials submitted in support of such applications' loans as well as information on action taken on such applications. These records are maintained by and are located in Financial Aid. Records of specialized financial aid which is pursued through direct application to departments of one's specialization are maintained by and located in such departments.

Student Financial Services

An individual's account record reflects all financial transactions made with the University in connection with the payment of required tuition, fees, room rent, and special assessments such as library book charges, and the like. Any adjustment made in the account, for whatever reason, is similarly reflected. This record is maintained by and located in Student Financial Services/Student Accounts, Suite 115, Administration Building.

Student Employment

Records are maintained on students who apply for employment through the Office of Career Planning and Placement. These records contain the subject's resume and letters of recommendation, if any, such as are submitted at his/her request. Such records are maintained by and are located in the Office of Career Planning and Placement, Wing I, Second Floor, C.B. Powell Building. Members of the faculty, student body, or staff who have questions regarding the information above are invited to inquire at the Office of the Dean for Special Student Services, Room 725, Howard Center on the main campus, or by telephone at (202) 806-2120.

Howard University Student Code Of Conduct and Judiciaries

Preamble

Howard University affirms that the central purpose of a university is the pursuit of truth, the discovery of new knowledge through scholarly research, the teaching and overall development of students, and the transmission of knowledge and learning to the world at large. However, the establishment and maintenance of a community where there is freedom to teach and to learn is dependent on maintaining an appropriate sense of order that allows for the pursuit of these objectives in an environment that is both safe and free of invidious disruption.

Rules and regulations are necessary to mark the boundaries of this needed order. However, the rights of the individual demand that honesty, integrity, responsibility, and respect for persons and property must form the core values upon which those rules and regulations are based. All members of the University community share a mutual responsibility to practice these values.

It is expected that student conduct will be in concert with, and supportive of, the University's central purpose and core values. Examples of prohibited student behavior are described in this Student Code of Conduct ("Code"). Behaviors that reasonably indicate a violation of the Code will give rise to the immediate consideration of resolution through the University's disciplinary process.

The Code is applicable to all students, which includes all persons taking courses at the University, either full-time or part-time, pursuing undergraduate, graduate, professional or unclassified studies. Persons who withdraw after allegedly violating the Code, who are not officially enrolled for a particular semester or term, but have a continuing relationship with the University, or who have been notified of their acceptance for admission are considered "students," as are persons who are living in University residence halls, although not enrolled in this institution. Those persons include, but are not limited to new, continuing or transfer students, participants involved in pre-college programs, workshops, seminars, special classes, summer programs, athletic programs, and camps affiliated with the University. The Code applies to all locations of the University and to all student groups and organizations as referenced in the Code.

It is the responsibility and duty of students to become acquainted with all provisions of the Code. It is presumed that every student, from the date of his/her initial acceptance at the University, has knowledge of the Code, the Academic Code of Conduct, the University Code of Ethics and Conduct, as well as policies and procedures contained in the H-Book, the Bulletin, and the Directory of Classes. All students are deemed to have agreed to the Code and are required to adhere to the Code as a condition of enrollment at the University.

Section I: Scope, Limitations, and Applicability of the Code

The Code applies to incidents occurring on campus and, as further explained below, to some situations occurring off-campus. Incidents that involve students and that occur at institutions that are part of the Washington Metropolitan Area Consortium of Universities are also subject to this Code. Students who are involved in clinical rotations, practicum, internships, externships or other activities directly involved with an academic program of study are also subject to the Code.

The actual daily administration, enforcement, and operation of the University's judicial program are delegated to the Office of the Dean for Special Student Services (ODSSS).

This Code does not address academic offenses. The University's schools and colleges administer the academic disciplinary process. Students must contact the appropriate school or college for information on disciplinary procedures regarding academic issues.

Judicial action against any student committing a violation of the Code off-campus will be considered on a case-by-case basis upon receipt of the filing by a Complainant of an Allegation of an Off-Campus Violation of the Howard University Student Code of Conduct form. The Complainant must obtain the form from the ODSSS, and the form must be completed and returned to that office. After review of the form, ODSSS will make a determination of its appropriateness for University disciplinary action. Examples of off-campus matters that would typically be excluded from resolution under the Code are landlord/tenant disputes, certain personal business matters with offcampus entities, and non-violent domestic issues. Disciplinary action may be taken with respect to any student convicted of, or charged with, a felony or misdemeanor, as delineated in **Section V: Special Provisions on Students Charged With Or Convicted of A Criminal Act.**

Depending on the severity or nature of the charge, students who violate the Code are subject to a range of disciplinary actions up to and including suspension or expulsion and may be barred from all University-owned and operated the property and all University-sponsored events and activities.

The consequences are serious for students who are charged and/or found guilty of misconduct under this Code. Therefore, any member of the University community, who knowingly and willfully misuses the procedures of the Code to harm another member of the University Community, shall be subject to disciplinary action.

Section II: Cooperation with Law Enforcement Authorities

The University cooperates fully with law enforcement authorities and violations of the Code that are also violations of federal or local law may be referred to the appropriate non-University authority. Proceedings under the Code may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus at the discretion of the Dean for Special Student Services. Determinations made or sanctions imposed under the Code shall not be subject to change because criminal charges arising out of the same facts as a result of the violation of University rules were dismissed, reduced, or resolved in favor of or against the criminal law defendant.

The Howard University Police Department (HUPD) works closely with area law enforcement agencies, particularly the Washington, DC Metropolitan Police Department (MPD). HUPD officers have full powers of arrest, search, and seizure on all University-owned and operated property and are usually the first to respond to calls for police services on campus. However, complainants may request that MPD respond to any reported offense or incident that may violate the law.

Section III: Student Rights, Freedoms, and Responsibilities

With appreciation for the tradition of freedom of expression on campus, the University reasserts its commitment to fostering and tolerating different viewpoints. It acknowledges that points of view will diverge and that some students will believe it necessary to express themselves by means of protest. However, the University will not tolerate disruption to its academic mission nor the means of protest that interfere with the legitimate rights of others.

1. General Rights and Freedoms

Students shall have the following rights and freedoms: As members of the University community, all students are guaranteed freedom of expression, inquiry and assembly, the right to form a student government, organize groups, to join associations in support of any cause or common interest, and to peacefully protest, provided that such activity is conducted in a legal manner, is in accordance with University regulations, and does not abridge the rights of others.

Students have the right of fair access to all educational opportunities and benefits available at the University in an environment that is safe and free of invidious harassment, discrimination, or intimidation.

Students have a right to privacy in accordance with the policy expressed in the Family Educational Rights and Privacy Act of 1974 (FERPA).

Students have the right and responsibility to report, in good faith and without fear of retaliation, violations of this Code, the University Code of Ethics and Conduct, and violations of any other policy of the University, to appropriate academic or administrative officers of the University.

2. Procedural Rights and Freedoms

Students accused of violating this Code have the following rights: To have access to all University policies and procedures regarding the functioning of the disciplinary process.

To be informed of and to have explained as required the pending charges.

To be free from intimidation by University employees in the resolution of disciplinary matters.

To face accuser(s) and have the opportunity to cross-examine them and any witnesses.

To be free from searches or seizures unless based on reasonable cause by appropriate officials. In accordance with written procedures approved by the Vice President for Student Affairs, searches and seizures may be made by the Vice President for Student Affairs and his/her designee, housing staff, University officers and officials and University Police.

To have a fair and impartial hearing before an appropriately appointed hearing board, appeal board, or Administrative Hearing Officer.

3. Responsibilities

All students share the following responsibilities:

- To read, become familiar with and adhere to the Code, the University's Code of Ethics and Conduct, the Academic Code of Student Conduct, the H-Book, and the relevant academic Bulletin of the school or college in which the student is enrolled.
- To respect the personal and property rights of others and to act in a responsible manner at all times.
- To protect and foster the intellectual, academic, cultural, social, and other missions of the University.
- To observe the laws of local, state, and federal governments.

Section IV: Emergency Action Suspensions and Involuntary Administrative Total Withdrawals

1. **Emergency Action Suspension**

As the Chief Executive Officer of the University, the President holds the ultimate authority in matters of student discipline. Unless otherwise exercised or modified by the President, this emergency authority is delegated to the Dean for Special Student Services. On rare occasions, this authority may be exercised on an exigent basis to protect a student's own physical or emotional safety and well-being, University property and/or the health and safety of particular individuals and/or the University community, or to prevent the threat of disruption of, or interference with, the normal operations of the University. On such occasions, the President or Dean for Special Student Services may take emergency administrative action to immediately suspend a student's enrollment. The student will be notified in writing and/or orally of this action and the reasons for the suspension. An Emergency Action Suspension Hearing (EASH) will be held as soon as one can be convened, within thirty (30) days from notification of action. The purpose of the EASH will be to determine if the student may remain enrolled until a regular Disciplinary Hearing, as described in Section V of the Code, is held and a decision is rendered. The notice will include the time, date and place of the hearing.

2. **Involuntary Administrative Total Withdrawals**

In situations where the University cannot effectively monitor or control the conditions or behaviors of

certain students, it reserves the right to effect an Involuntary Administrative Total Withdrawal. In circumstances where the mental, emotional and/or physical welfare of the student and the various elements of the University community are in jeopardy, or where the student's behavior and conduct becomes an imminent danger, it may become necessary to take emergency action to temporarily or permanently separate a student from the campus community. Further, the University reserves the right to contact the student's parent, guardian, or next of kin in the event of a medical emergency.

The Family Education Rights and Privacy Act (FERPA, 34 CFR 99.36) provides for the release of normally protected student information when it is believed that the student represents a health or safety risk to self or others.

This policy will be instituted in the event that a student (a) demonstrates behaviors or lack of good judgment, suicidal behaviors, self-destructive behaviors, or has untreated or uncontrollable medical or mental conditions which result in actual or possible imminent danger of injury to themselves or members of the University community; (b) demonstrates an inability, without adequate care, to satisfy personal needs, to include activities of daily living, nourishment and maintenance of shelter; (c) demonstrates a behavior due to mental, emotional, or medical incapacitation which poses an imminent danger of causing significant property damage, or directly and substantially impedes the lawful activities of others, interferes with the educational process or the orderly operation of the University; or (d) fails to comply with requirements to adhere to the instructions and guidelines of the clinical/medical staff of the University Counseling Service, Student Health Center or Howard University Hospital, as a result of an episode of mental or medical crisis intervention.

During the period of involuntary administrative total withdrawal, a student may be denied access to the campus, classes, residence halls, University activities, and denied privileges for which the student might otherwise be eligible, as the Dean for Special Student Services may determine to be appropriate. In making this determination, the Dean for Special Student Services will consult with appropriate academic administrators and health care professionals, to include but not limited to the Dean for the University Counseling Service and the Medical Director of the Student Health Center.

Timeline of Process

Howard University will schedule a hearing within thirty (30) days of the student's Emergency Action Suspension or Involuntary Administrative Total Withdrawal unless the student makes a written request asking that the hearing occur sooner than thirty (30) days. However, if the student submits a written request for an earlier hearing date, the hearing will not occur any sooner than ten (10) business days following receipt of the written request. The Dean for Special Student Services will notify the student in writing and/or orally indicate the reason for the Emergency Action Suspension or Involuntary Administrative Total Withdrawal and the date, time and place of the hearing. Appropriate University personnel may be present and/or consulted at this meeting. Parents, spouses, or any persons who would be of support to the student may, with the consent of the Dean for Special Student Services and the student, participate in the hearing.¹ At the hearing, the University will state its reasons for concern and the student will be given an opportunity to respond.

The Dean for Special Student Services will notify the student in writing of the decision and the basis for the decision within ten (10) business days of the hearing.

If it is determined that the student does not present a threat to himself/herself or others, the student will be permitted to continue as a student. If the decision is that the Emergency Action Suspension or Involuntary Administrative Total Withdrawal shall remain in effect, the communication will indicate what, if any, stipulations may govern his or her return to the University. Such stipulations may include providing certification from a healthcare professional indicating the student is able to return to the University. The Section 504 Coordinator may be involved when a student seeks a return to the University.

Appeal

Students who wish to appeal Emergency Action Suspensions and Involuntary Administrative Total Withdrawals shall submit their appeal to the Dean for Special Student Services, who will forward the appeal through the Vice President for Student Affairs to the Provost or to the Senior Vice President for Health Sciences. In those cases where internal and/or external health professionals were consulted, a report of findings and response to the appeal will be obtained. In those cases, where internal and/or external health professionals were consulted, a report of findings and response to the appeal will be obtained.

In addition, the President or Dean for Special Student Services may require the student, at his or her expense, to obtain a psychiatric/medical evaluation from appropriate professionals external to the University to be presented. The Office of the General Counsel will be consulted for legal advice before a final decision regarding the appeal of an emergency action is reached. There shall be no further appeal of this decision.

Section V: Emergency Action of Students Charged with a Criminal Act

A student charged with a crime, either a misdemeanor or felony, by any local, state, or federal entity may be subject to an Emergency Action Suspension by the Dean for Special Student Services.

In addition, disciplinary proceedings may be instituted against a student charged with conduct that potentially violates both the criminal law and the Code without regard to the pendency of the civil or criminal litigation in court or criminal arrest and prosecution. Proceedings under this Code may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus at the discretion of the Dean for Special Student Services. Determinations made or sanctions imposed under this Code shall not be subject to change because criminal charges arising out of the same facts giving rise to a violation of the Code were dismissed, reduced, or resolved in favor of or against the criminal defendant.

Emergency Action Suspension of a student charged with a criminal act will occur only in situations where the University determines there is a risk of substantial harm to the health or safety of the student or other individuals or to prevent the threat of disruption of, or interference with, the normal operations of the University. An individualized assessment will be made after consultation with the Office of the General Counsel and after considering the best available objective information.

Timeline of Process

Howard University will schedule a hearing within thirty (30) days of the student's Emergency Action Suspension, unless the student makes a written request asking that the hearing occur sooner than thirty (30) days. However, if the student submits a written request for an earlier hearing date, the hearing will not occur any sooner than ten (10) business days following the receipt of the written request. The Dean for Special Student Services will notify the student in writing and/or orally indicating the reason for the Emergency Action Suspension and the date, time, and place of the hearing.

A student may be suspended or expelled prior to the final resolution of the criminal matter, but a student has the affirmative duty to notify the University of the conclusion of the matter. After being duly notified of the scheduled disciplinary hearing, if the charged student is unable to appear due to incarceration or incapacitation at the time of the regular disciplinary hearing, the student may request in writing that the disciplinary hearing be postponed and rescheduled when he or she is able to appear, or after the conclusion of the criminal proceedings.

Additionally, the student has an affirmative duty to notify the University of any status change in the criminal matter. If a student does not provide such notice or fails to communicate with the University within one (1) calendar year, the University will take measures for permanent expulsion.

University Decisions Upon Criminal Conviction

It is the University's policy that a student convicted of a felony shall be expelled from the institution, irrespective of the student's current enrollment status. A decision about the continued enrollment of any student convicted of a misdemeanor will be made on a case-by-case basis by the Dean for Special Student Services, which may be appealed through the Office of the Vice President for Student Affairs to the Office of the Provost or the Office of the Senior Vice President for Health Affairs for students in the Division of Health Affairs.

Section VI: Filing a Complaint and Request for University Disciplinary Action and Notification to the Accused

Reports of violations of the Code may result from a written Incident Report taken by Campus Police. If a charge of a violation of the Code is not made as a result of such report, it is the responsibility of the Complainant, whether a student or University employee, to take action to pursue resolution of a violation. First, the Complainant must review the Code to determine the specific provisions violated by the Accused Student. Second, the Complainant must obtain, complete, and file a Request for Resolution of an Alleged Violation of the Student Code of Conduct form within fourteen (14) calendar days of the incident or knowledge of the incident. Forms submitted after this fourteen (14) calendar day period will only be resolved if extenuating circumstances are present, and require approval of the Dean for Special Student Services. More than one provision of the Code may be cited in the complaint form. The forms are available in the Office of the Dean for Special Student Services.

The Accused Student will be notified by the Dean for Special Student Services of an alleged violation by certified letter and/or telephone call and will be asked to report to the Dean for an interview. ODSSS will make reasonable efforts to contact the student at the local and/or permanent address.

Section VII: Initial Administrative Action on Allegations of Violations of the Code

If a determination is made by Dean for Special Student Services that a violation of the Code may have occurred, the Complainant(s) and the Accused Student(s) will be contacted by the Dean for Special Student Services within fifteen (15) business days after receipt of the completed Request for Resolution of an Alleged Violation of the Student Code of Conduct form.

Both the Complainant(s) and the Accused Student(s) will be required to put in writing their accounts of the incident. Upon written notification, the Complainant(s) and the Accused Student(s) may request that their full written accounts be submitted to the Howard University Police Department and substituted for the incident statement. The Accused Student(s) will be informed of the allegation and related information, and he/she will be given an opportunity to provide his/her version of the facts, and allowed to plead "Responsible" or "Not Responsible." The Incident Statements of the Complainant(s) and Accused(s) will be shared with both parties, upon request.

If the Accused Student(s) fails to respond within six (6) business days of the date of the communication, the Dean for Special Student Services may proceed with scheduling and convene a hearing to resolve the matter.

A plea of "Not Responsible" by the Accused Student(s) will result in an automatic remanding the case to the appropriate hearing board or to an Administrative Hearing Office at the discretion of the Dean for Special Student Services. The Accused Student(s) and the Complainant(s) will be notified by mail of the date, time and place of the hearing.

All “Responsible” pleas by the Accused will result in an ODSSS review of the case and determination of appropriate sanction(s) to be imposed. The Complainant will receive written notification of the sanction(s). The sanction(s), not the plea, may be appealed in writing to ODSSS using the process for Filing an Appeal outlined in Section XVI, except when the Dean for Special Student Services appoints an Appeals Hearing Officer during periods when an Appeals Board cannot be convened.

Section VIII: Prohibited Behaviors

The following is an illustrative list of the types of conduct, including actual conduct and attempts to engage in such conduct, which are prohibited by this Code. A reasonable suspicion that a student has engaged in or attempted to engage in, such prohibited conduct will result in the immediate consideration of disciplinary action under this Code.

1. **Safety**

1. Causing any condition that jeopardizes the safety of individuals, groups of individuals, or the University community; participating in conduct or behavior that explicitly endangers the safety and well-being of oneself or others.
2. Tampering with safety measures or devices, such as alarm systems, fire extinguishers, exit signs, emergency phone systems, smoke or heat detectors, fire hoses, security systems, locked exterior or interior doors, and sprinkler systems.
3. Failing to conform to safety regulations, such as falsely reporting an incident, failure to evacuate facilities in a timely fashion in emergency situations or in response to fire alarms, inappropriate use of the alarm system, and similar conduct.
4. Falsely reporting the presence or threat of a bomb or any other dangerous device or condition.
5. Having the knowledge of and not reporting an event or act that would potentially endanger members of the University community.

2. **Weapons**

1. Possession of weapons including firearms, items that eject projectiles, knives, or any item that any reasonable person would consider to have the possibility of doing bodily harm.
2. Possessing, using, storing, or transporting firearms, other weapons, explosives, fireworks, ammunition, tear gas or dangerous chemicals, except as authorized for use in class, or in connection with University-sponsored research or other approved activities.

3. **Discrimination**

Engaging in verbal or physical behavior directed at an individual or group based on national origin, race, creed, gender, religious beliefs, or sexual orientation that, according to a person of reasonable sensibilities, is likely to create an intimidating or demeaning environment that impedes the access of other students, faculty and staff to the educational benefits available to them as a member of the University community. The Code includes bias-related or hate crimes as defined in the DC Code. Wearing articles of clothing with derogatory, racist, discriminatory, patently offensive, profane, sexually explicit, or graphic messages either in words or pictures, which demonstrate bias or discrimination against any individual or group within the University community.

4. **Harassment**

Engaging in verbal, electronic, visual, written or physical behavior directed at an individual or group that, in the view of a person of reasonable sensibilities, is likely to provoke or otherwise result in, a negative or injurious response, mental or emotional distress, or related reaction or consequence. This behavior may include:

1. Making an expressed or implied threat affecting another person’s academic pursuits, University employment, or participation in activities sponsored by the University or organizations or groups related to the University, or;
2. Engaging in unwarranted obstruction or interference with respect to educational, campus activity, or personal pursuits, employment or participation, which includes but is not limited to: behaviors or communications which detract or interfere with an instructor’s ability to provide instruction in the

classroom, laboratory, clinical practicum or clerkship, or any activity directly related to teaching, instruction or academic advisement and counseling, or any academic support services throughout the University community.

3. Creating an intimidating or demeaning situation or environment or inflicting personal, social, academic, psychological or emotional harm, or undue stress.

5. **Sexual Harassment**

The "Howard University Policy Against Sexual Harassment and Gender Based Discrimination in Education Programs and Activities" covers undergraduate, graduate and professional students, teaching and graduate assistants. With respect to academic programs and activities, "sexual harassment" shall mean unwelcome sexual advances, requests for sexual favors, and other electronic, verbal, visual, written or physical conduct of a sexual nature, when:

1. Submission to such conduct is made either explicitly or implicitly as a basis for any decision affecting the terms or conditions of participation in any organization, program or activity, or status or evaluation (including grades) in an academic course; or
2. Such conduct has the purpose or effect of unreasonably interfering with a student's educational right, privilege, advantage, or opportunity.
3. Such conduct is so pervasive or severe that it creates an intimidating, stressful, hostile, or offensive environment for learning and has no reasonable relationship to the subject matter of the relevant course of instruction.

6. **Assault**

Any willful attempt or threat to inflict injury upon the person of another, when coupled with an apparent present ability to do so, and any intentional display of force such as would give the victim reason to fear bodily harm constitutes an assault. An assault may be committed without actually touching or striking, or doing bodily harm. Self-defense may be a mitigating factor to this charge, depending on the circumstances.

7. **Sexual Abuse**

Sexual abuse occurs when the act is intentional and is committed either by: Physical force, violence, threat, or intimidation; Ignoring the objections of another person; Causing another's intoxication or impairment through the use of drugs or alcohol; Taking advantage of another person's incapacitation, state of intimidation, helplessness, or other inability to consent.

1. SAP appeal form with type of suspension indicated per your BisonWeb account,
2. Detailed type-written narrative of what led to your suspension status, and explanation of what you intend to do to improve your plan of action, and:
3. Copies of all supporting documentation attached.

Mitigating circumstances may include, but are not limited to extreme illness or injury, family crisis, or death of an immediate relative. The circumstances must be documented and will not be considered for approval without the supplemental documentation attached. Examples of documentation include medical documentation, birth or death certificates, etc. Please do not submit letters of stipulation from your school/college along with your appeal documents. If at the end of an academic school year, you have found yourself to be suspended, you may appeal to have your current SAP status reviewed by attending a summer session at Howard University and increasing your GPA or earned credits and then appealing once those grades have been submitted to the Office of the Registrar. It will not be until the summer courses are updated to your account that an evaluation of your courses can be made. Please monitor your BisonWeb account for appropriate updates as well as the email address you have provided on your appeal form. Summer credits will count toward determining your maximum eligibility for the next school year. You must complete the appeal process at the end of the summer term. Summer credits will count toward determining your maximum eligibility for next school year.

Once your appeal has been received and reviewed by the Appeals Committee, you will receive written notification of the committee's decision by email to the address you have provided in your appeal packet. You

will also notice the appropriate changes made to your award package on your BisonWeb account. **Note:** All incomplete appeals will be denied. All appeal decisions are final and the submission of a SAP appeal does not guarantee reinstatement of aid eligibility. **Students who are currently SAP suspended are strongly advised to create alternate financial plans in the event your appeal is denied.**

Additional SAP Requirements

If you are listed as being SUSPENDED FROM THE UNIVERSITY, the appeal process is two-fold. Step 1: You must appeal to your school/college as well as Step 2: the Office of Financial Aid. It is your responsibility to stay abreast of deadlines. Stipulation letters do not ensure financial aid reinstatement and one is not contingent upon the other. For further inquiries please contact the Office of Financial Aid at <http://www.howard.edu/financialaid/contacts/staff-finaid.htm>

Although you may not be receiving financial aid, you will be evaluated for financial aid eligibility on the same basis as students who receive federal and state aid. Should you apply for aid, your eligibility will be based on your prior academic performance at Howard University.

- If you are enrolled in a dual degree program, you may appeal for an extension of the maximum time frame provision of this policy.
- If you are an undergraduate student pursuing a second degree, you may attempt an additional 48 credit hours to complete your second degree program, including prerequisite courses. Graduate/professional students may attempt an additional 24 credit hours

b.) The Howard University student identification card shall be carried by students at all times and surrendered upon the reasonable request of any University Official, Faculty Member, Staff Member and all Residence Hall Personnel.

Failure to comply with any disciplinary procedure, within the identified time frame, will result in a hearing with sanctions applied.

14. Smoking

Smoking is prohibited in all University buildings and residence halls.

15. Disruptive Conduct

a.) Acting in a manner that impairs, interferes with, or obstructs the orderly conduct, processes, or functions of the University or of any person or persons on University owned or operated property or at any University-sponsored event.

b.) Students whose behavior, communications, and/or attire may be considered disruptive while participating in academic programs, University activities, programs and general operations. Behaviors would include: use of electronic devices such as pagers, cell phones, video games, walkmans, personal music players, playing computer games during class sessions, laboratory or clinical practicum's or clerkships and periods of academic instruction, remediation, or tutorial assistance. Disruptive conduct would also include the wearing of apparel or clothing in class, or during academic instruction that is lewd, profane or sexually explicit; attire that conveys messages in print or in picture form that are profane, vulgar, patently offensive, racist or discriminatory, and this conduct disrupts the instructor's ability to maintain decorum or provide academic instruction in the classroom, laboratory, or other instructional environments. This also includes students who engage in disruptive behaviors or communications with an instructor, such as swearing or cursing, which impedes the ability of the instructor to present academic information in the classroom or laboratory, clerkship, conduct academic advisement, counseling, or tutorial assistance.

c.) Students are required to carry the Howard University student identification card at all times and are required to surrender it upon reasonable request by any University Official, Faculty Member, Staff Member and all Residence Hall Personnel.

16. Electronic Communication

Using University telecommunications, data communication networks or any electronic means owned and operated by the University for illegal or improper purposes or in violation of University regulations and policies, or related federal, state, or local laws.

17. Harboring

Harboring is knowingly allowing any fugitive from justice, or any student, employee, or any other individual who has been barred from the University, to stay in, or to be transported onto, University owned or operated property or facilities. This would also include harboring any individual who is considered to be a fugitive from justice or for whom there is an outstanding warrant.

18. Contracts

Students as individuals or representatives of student organizations are prohibited from entering into verbal or written agreements or contracts that purport to bind, obligate, or create liability of any kind for Howard University. The University will hold all such students individually liable for any financial or legal consequences or damages that may result from such unauthorized actions.

19. Established Policies And Procedures

The failure to observe any provision of the University Code of Ethics and Conduct, the Student Code of Conduct, the Academic Code of Conduct, the H-Book, the University Web-site or appropriate school/college bulletin, pertaining to personal conduct or behavior.

20. Violation Of Criminal Codes Of the Local, State, or Federal Governments

On or off-campus actions or activities that violate criminal law also violate the Code.

21. Embezzlement

Unauthorized acquisition and/or use of funds belonging to, or under the stewardship of, any University unit, organization, or individual.

22. Contempt Of, Or Interference With, Any Disciplinary Program Actions Or Activities

Failure to respect the disciplinary program or process, including failing to appear for a meeting or hearing if requested to do so, interfering with attendance by any person or persons mandated to attend a meeting or hearing, or interfering with the hearing or disciplinary process of any disciplinary board or administrative hearing. Acting in a threatening or harassing manner towards hearing participants before, during or after a hearing.

23. Media Contact

Students are expressly prohibited from speaking on behalf of, or for, Howard University with any media organization or publication, or from inviting the same to any University-owned or operated property, facility, or event without the express written permission of the Office of University Communications.

24. Presenting False Testimony

Knowingly making false statements regarding a disciplinary matter before, during or after the disciplinary adjudication process.

Section IX: University-Wide Disciplinary Hearing Boards and Hearings; Administrative Hearings and Officers; Appeals Hearings and Boards; Administrative Appeal hearings and Officers

The adjudication of alleged violations of the Code is conducted by a duly appointed University-Wide Disciplinary Hearing Board, or by an Administrative Hearing Officer.

The Dean of Special Student Services reserves the right to assign a case to a Disciplinary Hearing Board or to an Administrative Hearing Board. Those cases involving charges which may result in possible indefinite suspension, withdrawal or expulsion will be remanded to a Disciplinary Hearing Board.

1. Disciplinary Hearing Boards

There shall be University-wide disciplinary hearing boards as follows:
University-Wide Disciplinary Hearing Board for Undergraduate matters;
University-Wide Appellate Board for Undergraduate matters;
University-Wide Disciplinary Hearing Board for Graduate and Professional Student matters;
University-Wide Appellate Board for Graduate and Professional Student matters.

Members of the University-wide disciplinary hearing boards shall be selected from a pool of students, faculty members, and administrators trained by ODSSS. The pool of board members consists of those qualified appointees submitted by University officers, Deans of the schools and colleges, the Faculty Senate, ODSSS, the Howard University Student Association (HUSA), and any other undergraduate or graduate student governing bodies approved by the Vice President for Student Affairs. Organizations shall select potential appointees according to their internal policies and procedures. Volunteers may also be part of the pool if they meet the qualifications for the category of their status at the University and they submit the "Offer to Volunteer for University Disciplinary Program" form to ODSSS. ODSSS shall provide at least two written requests for names to officials and organizations. In the event that appointments are not made by the deadline by the appropriate student and faculty organizations, ODSSS shall appoint persons to the board pool from the faculty and student body, subject to the approval of the Vice President for Student Affairs.

The disciplinary hearing boards have jurisdiction over all students subject to the Code. They are responsible for reviewing and evaluating all of the relevant information, conducting hearings, rendering a decision of "Responsible" or "Not Responsible" and making recommendations for sanctions, if any, to the Dean for Special Student Services.

2. Disciplinary Hearing Board Membership

The membership of the disciplinary hearing boards is as follows:
Each board shall be comprised of seven (7) members. No more than three (3) members can be students who meet the qualifications outlined below. The remaining members shall be from the pool of qualified faculty and administrator appointees, or volunteers, who meet the qualifications outlined below.

A minimum of five (5) members will constitute a quorum.

A. Undergraduate Students:

Validated for the semester(s) of service.
In good academic, disciplinary and financial standing.
At least 24 credits earned at time of appointment.
Can serve for two (2) academic years or until graduation.

B. Graduate/Professional Students:

Validated for the semester(s) of service.
At least one (1) semester of enrollment by the time of appointment.
In good academic, disciplinary, and financial standing.

C. Faculty:

Must have been a member of the University faculty for a minimum period of one (1) year at the time of appointment.

Administrator/Staff:

Must have been an employee of the University for a minimum of one (1) year at the time of appointment.

F. Chair:

The Dean for Special Student Services shall appoint a faculty member or administrative staff member of each board to act as Chair.

3. Administrative Hearings

Resolution of a violation of the Code may also be handled through an administrative hearing process conducted by an Administrative Hearing Officer rather than through a judicial board. An administrative hearing may be used under any of the following circumstances: A student charged with a violation will be assigned to the administrative hearing process, unless the violation merits indefinite suspension, withdrawal or expulsion.

The Dean for Special Student Services determines that it is not possible or practical to convene a disciplinary hearing board or appeal board at the time the case is scheduled (e.g., summer sessions, semester breaks, lack of a quorum, spring break, etc.) and that it is in the University's best interest to have the case heard expeditiously.

The nature of the case is such that the Dean for Special Student Services believes the best interest of the student and/or the University would be served by the use of an Administrative Hearing. If the Complainant or the Accused Student objects, either may appeal this decision in writing to the Vice President for Student Affairs, within ten (10) business days following notice of the Administrative Hearing. The Vice President shall render a decision within three (3) business days. The Dean for Special Student Services reserves the right to determine which cases are to be heard by a University-wide Disciplinary Hearing Board. In most cases, the use of an Administrative Hearing Officer is prescribed. In cases, which could result in the indefinite suspension or expulsion of a student, a University-wide Disciplinary Hearing Board is warranted.

4. Administrative Hearing Officers

Administrative Hearing Officers shall be selected by the Dean for Special Student Services from a pool of qualified and trained administrative staff members and faculty members. The Administrative Hearing Officer is responsible for reviewing all of the relevant information, conducting a hearing, rendering a decision, and making recommendations for sanctions, if any, to the Dean for Special Student Services. The hearing officer shall be the sole judge of the relevancy and admissibility of evidence presented for consideration.

5. Appeal Boards

Any student found "Responsible" for violating the Code by a University-Wide Disciplinary Hearing Board or Hearing Officer and, thereby subject to sanctions, may appeal the decision. (See Section XVI: Appeal of a Disciplinary Hearing Decision). A request for reconsideration of a decision or recommended sanction(s) shall be submitted by the Dean for Special Student Services to the appropriate Appeal Board.

Each Appeal Board shall be comprised of five (5) members. No more than two (2) members shall be qualified students. The remaining members shall be qualified faculty members, administrator appointees or volunteers.

Members of the Appeal boards must meet the same qualification standards as members of the University-Wide Disciplinary Hearing Board. However, a member serving on a University-Wide Disciplinary Hearing Board

shall not serve on an Appeal Board on the same case. A faculty member or administrator who is a member of the board will be appointed by the Dean for Special Student Services to serve as Chair of each Appeal Board. A majority of four (4) will constitute a quorum.

6. Administrative Appeal Hearing

An appeal of a decision by a University-Wide Disciplinary Hearing Board may be handled through an administrative hearing process by an Administrative Appeal Hearing Officer rather than through an Appeal Board. An administrative Appeal Hearing will be convened at the discretion of the Dean for Special Student Services. If the Accused Student objects, she/he may appeal this decision in writing within five (5) business days to the Vice President for Student Affairs. The Vice President will render a decision within three (3) business days. In addition, a student filing an appeal may elect to request such a hearing.

7. Administrative Hearing Appeal Officers

Administrative Appeal Hearing Officers are selected and trained by the Dean for Special Student Services. The Administrative Appeal Hearing Officer is responsible for meeting with the Chairperson of the University-wide Disciplinary Hearing Board, reviewing all documents from the case file and hearing, and for conducting the appeal hearing. The Officer shall be the sole judge of the relevancy and admissibility of evidence presented for consideration. The qualifications for an Administrative Appeal Hearing Officer shall be the same as for an Administrative Hearing Officer. The Administrative Hearing Appeal Officer shall have no engagement in the pending appeal brought for his review.

Section X: Hearing Particulars

1. **Notification of Hearing**

The ODSSS shall notify the members of the appropriate Disciplinary Hearing Board (or the hearing officer, as appropriate), the Accused Student(s), and the Complainant(s), in writing, of the date, place and time of a scheduled hearing not less than ten (10) working days prior to the hearing date (excluding holidays). Both the Complainant(s) and the Accused Student(s) shall be informed that they are responsible for contacting their own witnesses, informing them of the hearing, and ensuring their attendance at the hearing. Such notification shall be hand-delivered, mailed, or delivered to the local address of record. Witness lists are to be submitted to ODSSS at least two (2) days prior to the hearing. Upon request, ODSSS will make copies of the witness lists available to the parties. Upon request, ODSSS will provide letters for professors of students absent from class due to participation in a disciplinary procedure to explain the students' absence from class.

2. **Notification of Inability to Attend a Hearing**

If either the Accused Student(s) or the Complainant(s) cannot attend a scheduled hearing due to compelling circumstances, he/she must notify ODSSS as soon as this fact is known. Written documentation of extenuating circumstances must be provided. Failure to adhere to this policy may result in additional disciplinary action and/or conducting the proceeding without the benefit of the absent person's participation.

3. **Document Access**

The Accused Student(s) and complaining student(s) shall have reasonable access to all of the relevant case documents that are maintained by the ODSSS. Documents shall also be available to members of the boards or hearing officers for review prior to a hearing. The documents prepared by ODSSS and submitted during the hearing, as well as the statements given, will constitute the record of the board or of the hearing officer in an administrative hearing.

4. **Briefings and Consultations**

Board chairs, board members, and hearing officers may be briefed by ODSSS on factual and procedural matters. Legal advice will be provided to such individuals by the Office of General Counsel.

5. **Failure to Attend**

A student accused of violating the Code, who has received appropriate notification to attend a scheduled hearing but fails to do so, may be considered in contempt of the disciplinary process and subject to further disciplinary action by the Dean for Special Student Services. The board or hearing officer may elect to proceed with the hearing without the Accused Student(s) and render a decision based on the evidence presented.

A witness, who is called by ODSSS or a Hearing Officer, with evidence critical to the resolution of a violation of the Code given reasonable notification of a hearing who refuses to attend may be considered in contempt of the disciplinary process and subject to possible disciplinary action.

6. **Rules of Evidence and Legal Representation**

Howard University's disciplinary proceedings are not subject to the formal rules of process, procedure, and/or technical rules of evidence, such as are applied in criminal or civil court. Rather, boards and administrative hearing officers shall make a determination based on whether the record makes it more likely than not that the charges are true.

The Accused Student(s) and the Complainant(s) may consult with their personal legal counsel in preparation for a hearing; however, attorneys are not allowed to attend a disciplinary hearing or to represent a student at a hearing. A student may elect to have a peer advisor, at a hearing, who shall serve in an advisory capacity only. Advisors are not permitted to speak or to participate directly in the hearing. Peer advisors must be current students in good academic, disciplinary and financial standing with the University.

7. **Scope of Evidence Considered In a Disciplinary Action**

The Board Chair or Administrative Hearing Officer shall be the sole judge of the relevancy and admissibility of evidence presented for consideration.

Section XI: Procedures for Conducting a Disciplinary Hearing

1. **Closed Hearings**

All hearings are closed, except to those persons directly involved (board members, Complainant(s), the Accused Student(s), and witnesses), unless the board determines otherwise.

2. **Witnesses**

In those situations when a Howard University Police Department Officer(s) may have taken a report and/or investigated an incident relevant to the proceeding, ODSSS, the Complainant or the Accused Student may request that the Officer attend and/or participate in a hearing as a witness. Such attendance or participation will be permitted if it is determined by the Board or Hearing Officer that the HUPD Officer's presence will facilitate the finding of facts. The Complainant or the Accused Student should contact University Police directly to make such a request and, at the same time, notify ODSSS of the request. Only those persons with direct knowledge of the incident shall be allowed to appear as witnesses. No character witnesses are allowed.

3. **Postponement**

A one-time request for postponement by either the Accused Student or the Complainant(s) may be considered by ODSSS, and granted only when ODSSS determines that there is a compelling reason for the delay. ODSSS will set a new date for the hearing and notify all parties involved. Further requests for postponement do not have to be considered and a hearing may be held in the absence of either party.

4. **Quorum Requirement**

Five (5) members of appointed board members shall constitute a quorum necessary to conduct business, including receiving evidence and rendering a decision. Only members present may vote.

5. **Role of the Chair**

The Chair of a disciplinary board has the responsibility of conducting the hearing in a fair and equitable manner, and of taking such action as necessary to sanction or mitigate disruptive or inappropriate behavior.

6. **Burden of Proof**

The Complainant carries the burden of proof to establish the guilt of the Accused Student. The Accused Student should be prepared to respond to charges against him/her with witnesses and/or documents, as appropriate.

7. **Steps in the Hearing**

Each hearing shall follow a standardized format. Copies of the Procedures for Conducting a Disciplinary Hearing may be secured from ODSSS.

8. **Deliberation, Decision Making, and Reporting Results to ODSSS**

Deliberations shall be conducted only with board members, University counsel, and ODSSS staff present.

Boards shall consider only such information as may constitute the record. Determinations as to responsibility for violations of the Code and recommended sanctions shall be made by a simple majority vote of the Board, except that recommended sanctions of suspension and expulsion require a two-thirds vote.

The Chair of the board shall prepare a written report of the hearing finding(s), including the basis(es) for the finding(s) and shall submit it to ODSSS within ten (10) days of the hearing. When there is a finding that the Accused Student is "Responsible" for violating the Code, there shall be recommendations for sanctions. The Chair signs the report on behalf of the board. ODSSS will provide notification to the Accused Student and Complainant of the board's determination.

Sensitive information considered by the Dean of Special Student Services or his/her designee to determine sanctions shall be deemed confidential and will not be shared with students, except that upon written request from any alleged victim of a crime of violence or no forcible sex act, the result of the University's disciplinary proceedings against the accused student will be disclosed.

Section XII: Procedures for Conducting a Hearing by an Administrative Hearing Officer

1. **Closed Hearings**

All hearings are closed to anyone other than those persons directly involved, ODSSS staff, University counsel, the Complainant, the Accused Student, and witnesses unless the hearing officer determines otherwise.

2. **Witnesses**

Only those persons with direct knowledge of the incident shall be allowed to appear as witnesses. Those attesting to character alone are not allowed to serve as witnesses. A list of any witnesses speaking on behalf of the Accused Student or Complainant must be submitted to the Office of the Dean for Special Student Services not later than two (2) days prior to the hearing.

3. **Postponement**

A one-time request for postponement may be considered and granted by ODSSS only when it determines that there is a compelling reason for the delay. In that event, ODSSS will set a new date for the hearing and notify all parties involved.

4. **Role of the Administrative Hearing Officer**

The Administrative Hearing Officer is responsible for conducting the hearing in a fair manner and for recommending such action(s) as necessary to sanction or control disruptive or inappropriate behavior.

5. **Burden of Proof**

The Complainant has the burden of proof to establish that the Accused Student violated the Code. The Accused Student should be prepared to respond to charges and evidence presented against him/her with documents and/or witnesses, as appropriate.

6. **Steps in the Hearing**

Hearings shall follow a standardized format. Copies of the procedures may be obtained from ODSSS.

7. Deliberation, Decision Making, and Reporting Results to ODSSS

The Administrative Hearing Officer shall consider all information in the record. The Hearing Officer shall prepare a written report including any recommended sanctions, and submit the report to ODSSS within five [5] days of the hearing. ODSSS shall notify the Accused Student and the Complainant of the Hearing Officer's determination.

Sensitive information considered to determine sanctions by the Dean of Special Student Services or designee shall be deemed confidential and will not be shared with students, except upon written request from any alleged victim of a crime of violence or non-forcible sex act, the results of the University's disciplinary proceedings against the accused student will be disclosed.

Section XIII: Notification of Hearing Outcome

The Dean for Special Student Services shall review the recommendations of the Board or Administrative Hearing Officer and shall make a final determination on sanctions. ODSSS shall then prepare a written memorandum setting forth the decision and any sanctions and notify both parties within twenty (20) working days after receipt of the report. ODSSS reserves the right to delay notification when it determines that such delay is in the best interest of the University.

When deemed necessary or appropriate by ODSSS, it shall notify relevant University officers, officials, units and organizations of hearing outcomes and sanctions.

Section XIV: Disciplinary Sanctions

The purpose of disciplinary sanctions for violations of the Code is to educate students about responsible behavior as members of the Howard University community, to maintain order, and to protect the rights of others.

Students found "Responsible" for violating the Code are notified of any sanctions by ODSSS, which also monitors compliance with the sanction. There is no set sanction for any particular offense, with the exception of automatic expulsion for a felony conviction. Disciplinary Hearing Boards and Administrative Hearing Officers evaluate each case individually. Sanctions will be determined individually and should reflect the nature and severity of the offense.

1. General Terms

Parents of minor or dependent students who receive a disciplinary sanction may be notified of that action by the University.

The University reserves the right to apply any sanction for a violation of the Code that, in its sole discretion, appropriately addresses the gravity and frequency of the offense. One or more sanctions may be imposed for any offense. Prior offenses are cumulative and any student found guilty of the same offense or a second offense of equal or greater magnitude, may be suspended or expelled from the University. However, evidence of prior violations of the Code may be considered after a determination of "Responsible" has been made as part of the process of determining sanctions. Sanctions are imposed under the Code without regard to student classification, prospective graduation date, the time in the semester or term when the violation occurs, scholarship status, or any other factor.

Students who have not completely fulfilled their sanctions may be allowed to participate in General Mandatory Registration for the subsequent semester if all other financial and academic conditions have been met. However, their registration will be canceled if they fail to comply with all the stipulations of the sanctions within the time limit set.

The imposition of sanctions will be a matter of record in the ODSSS.

2. Types of Disciplinary

Sanctions One or more of the following sanctions may be imposed for any violation of the Code. The failure to perform a sanction, as directed, can lead to the imposition of more severe sanctions, up to and including suspension or expulsion.

The identified sanctions do not represent the full range of sanctions which may be imposed against a student found "Responsible" for a violation of the Code.

Disciplinary Warning or Reprimand

A disciplinary warning or reprimand is an official written statement of censure. It is used when a student's behavior is unacceptable but is considered to be minor and/or unintended. It includes a warning that any other violation of the University's Code for which the student is found guilty will result in more severe disciplinary action. The written statement shall be delivered to the student.

Letter of Apology to the Aggrieved Party

A student may be required to write a letter of apology to the aggrieved party. A draft copy of the letter must be provided to ODSSS for prior approval.

Requirement to Seek Counseling

This sanction may be imposed when a student is found guilty of engaging in disrupting or uncivil behaviors. In such case, the student shall be required to provide evidence to ODSSS of attendance and completion of counseling by a qualified professional.

Participation In, or Conducting, Special Workshops, Classes or Seminars

A student may be required to participate in, or to develop, advertise and present special workshops or seminars related to a Code violation. In such a case, the student may be required to present a typed summary of the activity to the ODSSS.

Research Assignments

A student may be required to complete a research assignment on a topic related to the Code violation within a specified deadline.

Mandatory University or Community Service

A student may be required to perform work assignments at the University or in the local community.

Restitution

Restitution is reimbursement to compensate for personal injury, property damage, or misappropriation of University or other personal property. It may be in the form of money or services, subject to the discretion of the Hearing Officer or Disciplinary Hearing Board.

Disciplinary Probation

Disciplinary probation may be imposed for a specified period of time. A student who is under disciplinary probation will not be permitted to participate in intramural, intercollegiate or club sports, or student clubs and organizations. Such a student may not represent the University in any public function, competition, or performance, hold office in a student organization, or be eligible to join a fraternity or sorority.

Students receiving scholarships for any activities enumerated above may have that scholarship suspended or terminated. Decisions regarding scholarships will be made by the Vice President for Student Affairs in consultation with the Dean for Special Student Services and other appropriate University officials.

Limited Term Suspension

A suspension is appropriate in cases of serious misconduct or in cases when a student has violated a condition of disciplinary probation or has failed to meet the stipulations of lesser sanctions. A student may be suspended from the University for the remainder of the semester, or summer session, in which the sanction is applied, or any portion thereof, for the next semester, or for any other additional periods determined appropriate by the University.

Suspensions are recorded on the student's permanent record (official transcript). Students suspended from the University are required to return their student identification cards, room keys and other University property and shall be barred from the campus for the duration of their suspension. Exceptions may be granted to this prohibition by ODSSS if it first determines that the barred student must enter University property for the purpose of conducting official business. If a student returns to the campus without permission during the period of suspension, his or her eligibility to be re-admitted to Howard University is jeopardized and such persons may also be charged with unlawful entry and, thereby, made subject to arrest.

Indefinite Suspension

Indefinite Suspension provides for all conditions described in Limited Term Suspensions but does not give a specific date for the consideration of readmission of the suspended student. This sanction is used in cases of extremely serious misconduct when evidence of rehabilitation must be presented by the student and accepted by the Vice President for Student Affairs before the student is readmitted to the University.

Expulsion

Expulsion is the most severe sanction that the University may impose. Expulsion is permanent dismissal from the University. In addition, the student is not eligible for readmission to the University and permanently barred from Howard University owned or operated property and from all University sponsored events. Students expelled from the University are required to return any student identification cards, room keys, and other University property and must leave campus immediately upon notification of being expelled. If an expelled student returns to the campus, he or she will be charged with unlawful entry and may be arrested. An expelled student's relationship with the University is severed permanently.

Section XV: Procedure for Readmission after Disciplinary Suspension

A student temporarily suspended will be considered for readmission only after the student submits a Request for Readmission After Disciplinary Suspension form to the Office of the Dean for Special Student Services.

ODSSS shall inform University officers or officials, including the appropriate academic and administrative Deans, the Vice President for Student Affairs, the Office of the Provost, the Office of the Senior Vice President for Health Affairs, the Office of General Counsel and the Office of the President of the disposition of the matter.

Section XVI: Appeal of a Disciplinary hearing Decision

1. Criteria for an Appeal

A finding of responsibility for violations of the Code and/or the sanctions imposed may be appealed. However, an appeal will result in a reversal or modification of a decision only if one of the following

criteria is met. It should be noted that an appeal is not an opportunity to have a new hearing on the matter. As described below, an appeal can only be used to reverse an error or to consider important information that was not available at the hearing.

1. **Process**

1. An important procedure leading up to or during the original hearing was ignored or so flawed that the hearing was not fair and impartial.

2. **Substantive Error**

1. There was an error in identifying or interpreting the controlling and relevant University policy or standard of conduct and this substantially affected the hearing and resulted in the Accused Student(s) being denied a fair hearing outcome.

3. **New Evidence**

1. Relevant new evidence has surfaced that could have materially affected the decision or finding of the board or hearing officer. This evidence must be produced and substantiated or documented and it is required that proof be provided that this information was not available at the time of the hearing.

4. **Disproportionate Sanction**

1. The sanction levied is manifestly unjust because it is overtly disproportionate to the offense.

2. **Process for Filing an Appeal of Disciplinary Action**

An Appeal of Disciplinary Action form must be submitted to ODSSS by the student found "Responsible" within five (5) working days of receipt of the letter of notice of hearing outcome. The form should be typewritten or printed very legibly, with an attached statement not more than five double-spaced pages in length. The statement must clearly specify the grounds on which the appeal is being made and have attached any supporting documentation. Each case may be appealed only once.

3. **Appeal Review Process**

The written appeal must be submitted to ODSSS. ODSSS will forward the appeal to the Chair of the appropriate Appeal Board. The Chair shall have the authority to determine if the appeal could reasonably be expected to meet at least one of the four stated criteria. If the Chair so rules, he/she will set up an appeal hearing and notify the parties of its date, time, and location. If ODSSS determines that an Appeal Board cannot be convened, (e.g., between semesters or at the end of a semester or lack of quorum), it will appoint an Administrative Appeal Officer to review the matter, determine if a hearing is warranted, schedule a hearing, and notify the student.

4. **Appeal Hearing**

Appeal hearings will be limited to a presentation of evidence by the appellant that directly addresses the grounds for an appeal. The Chair of the University-Wide Judicial Board may be asked to attend, but no witnesses may be called. Appeal hearings will follow a standardized format.

5. **Remedies on Appeal**

The following actions may be taken by a majority vote of the Appeal Board members present and constituting a quorum, or by the Administrative Appeals Officer, transmitting a recommendation to the Dean of Special Student Services:

1. Affirm the findings of the original Board or Hearing Officer.
2. Affirm the findings, but change the sanction(s) levied.
3. Overturn the finding of the original Board or Hearing Officer and remand to the original Board for a new hearing.

6. **Notification of Finding**

The results of an appeal review will be sent by the Chair, who will forward the recommendation to ODSSS within twenty (20) working days of the Board's decision. Within five (5) working days, ODSSS will inform the student who initiated the appeal and the Complainant of the Board's decision. For cause, the Dean may grant the Chair an extension. If the case is remanded for a new hearing, ODSSS will contact the student about that new hearing. At the discretion of the Dean for Special Student Services, a different University-Wide Disciplinary Hearing Board may be asked to hear the case.

7. **Limitations**

1. Each case may be appealed only once. Therefore the finding of the designated Appeal Board is final and binding.
 2. Only the Accused Student may file an appeal.
 3. Appeals filed after the stated deadline will not be considered, except in compelling circumstances as determined by the Dean for Special Student Services.
8. **Stay of Sanction(s) During the Appeal Process**
The Dean for Special Student Services will determine if the sanction(s) imposed on an appellant will stay pending the appeal process.

Section XVII: Revisions of the Student Code of Conduct and Judiciaries

1. **Periodic Review**

The ODSSS will conduct a full formal review of the Code at least every five (5) years or at such other times as it deems appropriate to determine if the Code should undergo a full revision process.

2. **Procedure for Revision**

If it is determined that the Code is in need of full revision, the procedure for developing a new document for recommendation to the Board of Trustees will be as follows:

A committee composed of faculty, administrative staff and students will be appointed by ODSSS to review the "Code" portion of the document and to make recommendations for changes. The pool of those eligible to serve will come from names submitted by University officers, Deans of the schools and colleges, the Faculty Senate, the Howard University Student Association (HUSA), and other authorized and approved undergraduate and graduate student governing bodies using their own internal policies for such selections. In the event that after appropriate notice, names are not submitted, ODSSS shall make appointments.

The draft of the revised Code is completed by ODSSS and forwarded to the Vice President for Student Affairs, the Provost, and the Senior Vice President for Health Affairs for review and comment. An open forum for students, appropriately advertised, will be held to allow for discussion of proposed changes to the Code. Comments and concerns will be considered in completing the final draft. The final draft will be submitted for review to the General Counsel.

3. **Forwarding for Approval**

The final document will be authored by ODSSS and forwarded, through the Vice President for Student Affairs, the Provost, and the Senior Vice President for Health Affairs to the President for final review and for presentation to the Board of Trustees for consideration.

4. **Amendments**

Amendments to the Code deemed necessary by the Dean for Special Student Services during periods between formal full reviews and revisions will be prepared by ODSSS and forwarded through the Vice President for Student Affairs, the Provost, the Senior Vice President for Health Affairs and General Counsel, to the President for approval and implementation.

The Howard University Student Code of Conduct and Judiciaries

Division of Student Affairs

Office of the Dean for Special Student Services

Howard University, Suite 725

Washington, DC 20059

Academic Code of Student Conduct

Approved by the Board of Trustees, June 29, 2010

Howard University is a community of scholars composed of faculty and students both of whom must hold the pursuit of learning and search for truth in the highest regard. Such regard requires adherence to the goal of

unquestionable integrity and honesty in the discharge of teaching and learning responsibilities. Such regard allows no place for academic dishonesty. To better assure the realization of this goal any student enrolled for study at the University may be disciplined for the academic infractions defined below.

Definitions of Academic Infractions:

Academic Cheating—any intentional act(s) of dishonesty in the fulfillment of academic course or program requirements. This offense shall include (but is not limited to) utilization of the assistance of any additional individual(s), organization, document, or other aid not specifically and expressly authorized by the instructor or department involved.

(Note: This infraction assumes that with the exception of authorized group assignment or group takehome assignments, all course or program assignments shall be completed by an individual student only without any consultation or collaboration with any other individual, organization, or aid.)

Plagiarism— to take and pass off intentionally as one's own the ideas, writings, etc. of another without attribution (without acknowledging the author).

Copy Infringement—Copy infringement occurs when a copyrighted work is reproduced, distributed, performed, publicly displayed, or made into a derivative work without the permission of the copyright owner.

Administration of the Code

This Academic Code of Student Conduct applies in all schools and colleges. In professional schools and colleges that have adopted honor codes, the honor code may supersede this Code. The authority and responsibility for the administration of this Academic Code of Conduct and imposition of any discipline upon any particular student shall vest in the Dean and faculty of the School or College in which the student is enrolled but may be delegated by the faculty to the Dean of the School or College in which the student is enrolled. The Dean shall be assisted in this responsibility by any faculty members and administrative officers in the School or College the Dean shall consider appropriate. Any student accused of an infraction of this Code shall have a right to a limited hearing, as described herein, of the charges against him before a committee of faculty members, at least three in number, none of whom shall be the accuser or witness to the alleged infraction. The committee may be either a standing of the School or College, whose responsibilities are considered appropriate by the Dean to conduct a hearing under this code, or a committee appointed by the Dean for the special purpose of conducting only a particular hearing or all such hearings that may arise during an annual period. The hearing committee shall be chaired by a member designated by the Dean and the chairperson shall have the right to vote in cases of a tie vote.

Procedure

Any faculty member who has knowledge of an infraction of this Code shall assemble all supporting evidence and identify any additional witnesses to the infraction and make this information known to the Dean of the School or College in which the student is enrolled at least ten (10) business days after the date of the infraction.

Upon being notified of an alleged infraction of this Code, the Dean shall, as soon as possible, consider the weight of the assembled evidence and, if the Dean considers the evidence sufficient to warrant further action the Dean shall notify the alleged offender of the charge(s) against him/her together with a designation of a hearing time and place where the accused may respond to the charge(s). The hearing date shall be no later than ten (10) business days after notification to the accused of the charge(s) against him/her. The Dean shall similarly notify the hearing committee members of the time and place of the hearing together with identification of the accuser and accused.

The "limited hearing" authorized by this Code is not an adversarial proceeding. Constitutional principles of "due process" are not applicable to these proceeding. The faculty member concerned shall present the case for the University. Both shall be allowed to present witnesses and evidence in support of their positions concerning the charge(s). However, no legal counsel for either side shall be allowed. The members of the hearing committee may question the accused and the accuser and examine all evidence presented. The standard of proof for the proceeding under this Code shall be the standard of "substantial evidence." The proceedings may be tape recorded but will not be transcribed.

After the hearing of the charge(s) against the accused, the hearing committee shall, in closed session, vote by secret ballot to sustain or reject the charge(s). If the charges are sustained, the committee shall transmit the results and recommendation of the hearing committee to the Dean five (5) business days after the hearing.

Upon receipt of the results and recommendations of the hearing committee, the Dean may sustain the recommendation of the Committee concerning the penalty or may reduce or increase the severity of the penalty, and shall, within five (5) business days, notify the student of the Dean's determination. The student may appeal directly to the Provost and Chief Academic Officer or Senior Vice President for Health Sciences (Health Science students) for reconsideration of any disciplinary penalty. The student shall have five (5) business days to make such appeal from the date of receipt of notification.

After hearing any appeal from a student, the Provost and Chief Academic Officer or Senior Vice President for Health Sciences shall make a decision that shall be communicated to the student within ten (10) business days. This decision shall be final.

Penalties

The minimum disciplinary penalty imposed upon a student found to have committed an infraction(s) of this Code shall be no credit for the course assignment or examination in which the infraction(s) occurred; however, a more severe penalty, such as failure in the course involved or suspension from the University, may be imposed depending upon the nature and extent of the infraction(s).

Degree Revocation Procedures

Adopted by the Board of Trustees (April 27, 1987)

Scope — These procedures apply only to cases in which a University degree has been awarded but the record later shows: (1) the graduate's academic record, following a correction, indicates the graduate fails to meet academic requirements for graduation; and (2) facts which, if known at the time of the awarding of a degree, would have resulted in a decision not to award the degree, without any further proceedings.

Notice — The Dean of the School or College involved shall provide the graduate¹ with written notice of: the University's specific findings with regard to the graduate's academic record and its intention to revoke the degree; the graduate's opportunity to respond in order to present evidence that the record is incorrect; the graduate's right to be represented or assisted in responding to the University's findings, by other parties, including an attorney at the graduate's expense; and a 60-day limit to respond to the notice.

Review — In all cases where the graduate elects to respond to the University's findings either in person or in writing, the following review procedures shall be used:

A person designated by the Dean of the College or School in which the graduate was enrolled shall review the graduate's evidence and the University's evidence.

The Dean's designee, based upon his or her review of the evidence of record, shall submit to the Dean his or her written recommendation concerning revocation of the graduate's degree.

The Dean, based upon his or her review of the designee's recommendation, shall submit to the appropriate Vice President his or her written recommendation concerning revocation of the graduate's degree.

The Vice President, based upon his or her review of the prior recommendations, shall forward the record and his or her recommendation to the General Counsel for review.

The General Counsel, based upon his or her review of the record and prior recommendations, shall submit his or her recommendations, the record and all prior recommendations to the President for final action, subject to approval by the Board of Trustees.

The Registrar shall provide the affected graduate with written notice, in the manner described in Section A, of the University's final decision concerning revocation of the graduate's degree.

No Response Received — In cases where no response to the initial notice is received by the University after 60 days, the existing record shall be reviewed as noted above. Thereafter, the Associate Vice President for Enrollment Management shall provide the graduate with written notice in the manner described in Section A, of the University's final decision concerning revocation of the graduate's degree.

Petition to Reopen Decision — The University shall allow any affected graduate to petition the University to reopen the revocation decision, provided the graduate establishes that he/she received notice after the 60-day limit or, for good cause shown, was unable to contact the University or to respond within the period specified. Any graduate who meets the above-noted requirements shall be provided an opportunity to respond and a review, in the manner described in Sections A and B.

The term "graduate" refers to an individual who has received any degree from Howard University. A written notice shall be provided by: (1) certified mail, return receipt requested to the most recent permanent address contained in the graduate's academic records; (2) regular first-class mail to the last known address locally; and (3) first-class mail to the last known address of the graduate's parents or guardians. The written notice requirement applies in all cases, even though the address involved is the same.

Policy on Student Academic Grievance Procedures

Approved by the Board of Trustees (April 23, 1994)

The Informal Process

A student who believes that he/she has been aggrieved must first attempt to seek an informal resolution with the other party involved in the dispute, e.g., grade dispute with the instructor. If the student is unable to resolve the dispute with the primary party of the dispute, then the student is advised to seek the intervention of his or her department chairperson.

All disputes which are not resolved at the departmental level are then brought to the Dean's Office, whereupon the Dean or his designee will seek to reach an informal resolution through mediation between the parties.

If the mediation at Dean's level fails, then the student's grievance is consigned to the committee designated by the school/college to address student grievances herein referred to as the Student Grievance Committee.

The Formal Process

Student grievances which are consigned to the Student Grievance Committee must be specified in writing and given to the Dean or his designee.

A student's written statement, along with supportive evidence, constitutes a case document, which will be

submitted to each member of the committee.

The second party to the dispute is also requested to provide the Office of the Dean with his or her account of the matter in dispute which becomes a part of the case document that is forwarded to the committee.

The Student Grievance Committee is then required to set a date for convening a meeting to hear the case(s) as expeditiously as possible.

After the date has been set, each party to the dispute is sent a certified letter which informs him or her of the charges, and date of the meeting as well as a statement requesting his or her presence. During the hearing, the student presents his/her case; after, the accused party is allowed to present the other side. Each side is permitted to have witnesses.

Following the hearing, members of the committee after deliberation on their assessment of the case reach a decision as to how the case should be resolved.

The committee's decision is sent to the Dean of the School/College in the form of a recommendation. The Dean then informs the student in writing of the decision, which may be based upon the committee's recommendation or upon a modification of it.

Policy Statement Concerning the Use of; the Possession for Sale, Transfer, or Exchange of; Controlled Substances

Approved by the Board of Trustees (September 23, 1989)

One among the most serious menacing phenomena facing urban communities in general and Black communities, in particular, is that of the ever-spreading use of controlled substances or illegal drugs. Attending this phenomenon is not only the debilitating effects on the human system but the many unsettling events which are inescapably its by-products. Howard University, as an urban institution and thus a part of the larger District of Columbia community, is not insulated against this problem and its accompanying or precipitating ills and recognizes that an effective response to this menace must be on a community-wide basis.

Proper consideration of this subject must take into account and be addressed to those not yet involved as users or purveyors, those who may be helped through medically related therapy and treatment programs, and those who are engaged in the illegal possession, manufacture, transfer and/or sale of such items.

For the past several years considerable effort has been directed toward acquainting the University community with this subject in its most salient aspects. With some exceptions, work in this area has been concerned primarily with the conduct of special educational programs. These efforts, with expansion and increased emphasis, will be continued. In addition, the University through the counseling Service, the Student Health Center, the Employee Health Unit and the Institute on Drug Abuse and Addiction, will make a major effort to marshal appropriate resources, on an interdisciplinary basis, to contribute to the campaign currently being waged against this destructive force. Thus, all of these University resources will be concerned with comprehensive drug prevention/treatment programs and services.

Non-medically Prescribed Use of Drugs

Howard University does not sanction the use of drugs that are not prescribed by authorized health professionals. It is strongly urged that persons who have not experimented with or made use of such substances should avoid their use at all costs. Science to date has made no showing or claim that such non-prescribed use is in any way medically beneficial. For individuals interested in this subject, educational materials are available at the Counseling Service, the Student Health Center, the Employee Health Unit and the Institute on Drug Abuse Addiction, as well as selected locations throughout the District of Columbia. Individuals with drug-related problems should seek professional help, without delay, from these University resources,

where such assistance is handled with the utmost confidentiality. Students with drug problems or concerns in this area are encouraged to seek help from or visit these agencies without fear of punitive consequences such as disciplinary police actions or expulsion from school.

Possession of Controlled Substances For Sale, Exchange, or Transfer, or The Sale, Exchange, Transfer or Manufacture of Controlled Substances

The subject of individual involvement in the handling of illegal drugs is viewed by the University in an entirely different light. Federal and local laws make it abundantly clear that possession of controlled substances for the purpose of sale, exchange, or transfer as well as the manufacture, sale, transfer, or exchange of controlled substances are prohibited, and individuals responsible for violations of such laws are to be treated with severity. The University, as a part of the larger community, is similarly bound by law and of necessity and must act in similar fashion with offenders of its own regulations operative in this area. Although the University recognizes the need to provide a variety of remedial services to persons who fall victim to drugs, in the hope that causes of such problems can be removed; it does not intend to offer a haven for persons who intentionally violate its own standards of conduct or Federal and local laws dealing with this subject.

Howard University views illegal conduct in this connection with complete seriousness and the urgency of the matter deserves the immediate attention of each individual. It should especially be noted in this regard that students engaged in illegal conduct of this type are subject to summary SUSPENSION, EXPULSION, and/or TERMINATION, aside from or in addition to penalties which may flow from court disposition of such matters. Persons not formally connected with the University but who nevertheless are involved in illegal drug activity on University premises will be subject to ARREST and PROSECUTION. Involvement with illegal drugs subjects a person to criminal penalties, including felony conviction and often times imprisonment.

The University feels that each individual should give serious consideration to the possible permanent harm a conviction may do later in life. It is possible that the affected person will face the loss of many employees and citizenship privileges, such as professional licensing (law, medicine, certified public accountant, and the like), the right to vote and employment by governmental agencies and in many instances, private industry.

For those who would require proof, it has been clearly demonstrated that neither slavery nor compulsory segregation succeeded in robbing our people of their potency. To now permit the drug menace to signal the demise of our people would be no more a tribute properly befitting the efforts of our ancestors and contemporaries who have labored long and hard in the vineyard toward total liberation than would it be a proper legacy for future generations of our youth.

Equal Opportunity Grievance Procedures

The Equal Opportunity Office is located in Room 108, C.B. Powell Building, (202) 806-5770. Following are the procedures to be followed in the resolution of equal opportunity complaints. It should be noted that work days, as defined hereinafter, exclude Saturdays, Sundays, and holidays observed by the University.

Persons with equal opportunity complaints shall submit to the University's Equal Opportunity Officer, within 20 calendar days of the day on which the event giving rise to the complaint occurs, a written statement which specifies the nature of their complaint and evidence to support their charge of illegal discrimination.

The University's Equal Opportunity Officer shall do the following:

Within 3 work days after receipt of written complaint-arrange a conference with the complainant, secure any additional information or clarification needed from the complainant and secure a signed Complaint Withdrawal Form from complainants who wish to withdraw their complaints. Within 3 work days after the

conference with pursuing complainants —forward to the concerned member of the Equal Opportunity Committee a copy of the written complaint and a written recommendation concerning salient points to be covered by the investigation.

The concerned member of the Equal Opportunity Committee or his/ her designee shall do the following within 15 work days after receipt of written communication from the Equal Opportunity Officer: Conduct an investigation of the complaint.

Submit a written report on finding and his/her decision of the Equal Opportunity Officer.

The Equal Opportunity Officer, within 5 work days after receipt of written communication from the concerned member of the Equal Opportunity Committee, shall review the decision and findings and will do one of the following:

1. Mail notification to the complainant at last address on record that the matter has been resolved in favor of the complainant.
2. Mail notification to the complainant at last address on record that the matter has been referred to the Equal Opportunity Committee.
3. The Equal Opportunity Officer will refer to the Chairman of the Equal Opportunity Committee copies of all correspondence relative to the complaint.
4. The Chairman of the Equal Opportunity Committee, within 5 work days after receipt of written communication from the Equal Opportunity Officer, shall review the record and convene all available members of the Equal Opportunity Committee.
5. Members of the Equal Opportunity Committee, exclusive of the concerned member of the Equal Opportunity Committee, shall review the record and reach a decision. The decision of the Committee shall be final and binding for the University.
6. The Chairman of the Equal Opportunity Committee, within 5 work days after meetings of the Equal Opportunity Committee, shall notify in writing the University President, the concerned member of the Equal Opportunity Committee and the University's Equal Opportunity Officer of the Committee's decision and reasons for the decision.

Immediately upon the receipt of the Committee's decision, the Equal Opportunity Officer shall notify the complainant in writing about the decision.

Financial Information

Expenses & Financial Aid

Office of the Bursar

Processes Remission of Tuition and all financial aid awards, except private funds given directly to the student. Authorizes payment of University-administered financial aid awards to a student's account (e.g. loans, scholarships, grants, remission of tuition, grants). The Office of the Bursar also processes credit balances (aka "refund checks") as well as refund and tuition adjustments; handles "special billing," (e.g., the official billing (or invoicing) of Embassies or other appropriate agencies or organizations responsible for paying the educational expenses of particular students). This office is responsible for entering late charges, institutional residential, parking and library fines, to the account of the student who incurs same.

The Office of the Bursar processes promissory notes provided by the Office of Financial Aid for University Emergency loans. Initiates and Processes promissory notes for Direct Student Loans, Perkins Federal Loans, Health Professions —Medicine, Dentistry, Pharmacy, and Nursing loans, as well as long-term University loans. The office processes student deferment forms as well as **repayment of University and Federal loans.**

Costs

Educational costs depend on a student's program of study, the number of hours enrolled and living expenses. Costs for full-time tuition and fees vary based on a student's school/college and program. Students will not be allowed to receive financial aid in excess of their cost of attendance, regardless of the sources of funds. This includes, but is not limited to: federal, state, institutional, donor or external grants, gifts and scholarships. Current information about the University's tuition and fees is available at <http://www.howard.edu/studentfinancialservices/accounts/tuitionandfee.htm>.

Payment Information

Payment in Full

All charges must be paid in full by the due date: Fall semester, July 1st and Spring semester, December 1st. Any outstanding balances will be assessed a \$100 late payment fee each month the balance remains and any other applicable late fees

Installment Plan

Howard University offers several payment options for students and their families for the fall and spring semesters. Summer sessions must be paid in full at the time of registration. There are no payment plans or alternate payment options available for summer enrollment. Students and their families are provided with payment plan options each year which is subject to change. These payment options are generally provided via an online service who will accept most forms of debit/credit cards, wires, and electronic checks.

Payment Methods

Payments may be made by credit card (Visa, American Express, MasterCard, Discover), cash, money order, cashier's check, certified check or wire transfer. A \$35.00 fee will be charged for all reversed credit card payments and returned checks. Subsequent checks will not be accepted. Checks and money orders should include the student's name and Howard University Identification Number.

Financial Aid

Financial aid assists with offsetting educational expenses. The federal and state governments, as well as post-secondary schools, are public sources of aid, while civic groups, clubs, and religious organizations serve as private sources of aid. Financial aid is classified into three basic types: 1) grants and scholarships are 'gift aid' which are funds awarded that are not required to be repaid; employment is work, either on or off campus that you find through campus student employment services or on your own initiative; and a loan is monies borrowed from the federal or state government, the University or an alternative lender that must be repaid, including interest. Financial aid is distributed according to a variety of eligibility criteria within three categories: need-based aid and non-need-based aid and talent-based aid. Students are awarded need-based aid to assist in the difference between the total cost to attend the University full time and the amount of their family's contribution as determined by the federal government. Non-need based aid may be used to replace the family contribution if a student meets the necessary eligibility criteria, which may vary depending on the program and is generally based on merit (e.g. GPA). Talent-based aid is usually awarded via University-sponsored programs.

Financial aid is awarded based on financial need. At Howard University, more than half of all students receive some form of financial aid. The total amount of financial aid (need and non-need based) awarded to a student cannot exceed his or her total educational costs. Individual program requirements vary and funds are limited, therefore a student's total financial need may not always be met.

Most programs require that a student:

1. Is a U.S. citizen or eligible non-citizen and have a valid social security number. (Individuals in the U.S. on F1, F2, J1, and J2 visas are ineligible).
2. Be enrolled at least half-time in an eligible degree or certificate program.
3. Demonstrates financial need as determined by review of the Free Application for Federal Student Aid (FAFSA).
4. Not be indebted to any institution for repayment of any federal grant (Pell or SEOG) or in default on any federal loan (Perkins or Direct Loan).
5. Male students born after December 31, 1959 who are at least 18 years old are required to register with the Selective Service System.
6. Comply with the federal verification process, if necessary.

Amount of Financial Aid Awards

The cost of attendance budget includes average amounts for all expenses to attend Howard University. These figures are based on the average living expenses in the Washington D.C. metropolitan area. Although many factors help to determine the amount a student receives, the financial aid award is based primarily on the student's demonstrated financial need.

A student's need is the difference between the cost of attendance and the amount students and their family are expected to contribute (EFC - expected family contribution). Once a student is admitted to the University, and his or her file is complete, the Office of Financial Aid will update the student's account which is viewable online via BisonWeb.

What is a family's share?

A student and his or her family are primarily responsible for financing the student's education. They are expected to make a maximum effort to assist with college expenses. Students are also expected to contribute to their college expenses from sources that may include savings, summer earnings, monetary gifts from friends and relatives or other sources. Financial aid should be viewed as supplementary to the family's contribution.

How is a family's share determined?

The income and asset information which a student (and his or her parents in the case of dependent students, or a spouse if married) provided on the FAFSA enables the U.S. Department of Education's Central Processing System (CPS) to determine the expected family contribution (EFC).

Minimum Credits Required for Financial Aid Eligibility

Fall/Spring

Semester Enrollment Status

Full Time 3/4 Time 1/2 Time Less Than 1/2 Time

Undergraduate 12 9 6 3

Note: Audited courses cannot be included in meeting the minimum required credit hours toward eligibility.

Howard University Refunds and Adjustments of Title IV Funds

Students who withdraw from the University within the first 60% of the semester will receive an adjustment to their Student Financial Aid. This adjustment to a student's Financial Aid will be based on a percentage which represents the amount of time remaining in the semester and will be applied to the total institutional charges assessed to the student, as well as the Title IV financial aid applied to the student's account.

The percentage that represents the amount of time remaining in the semester shall be determined by dividing the total number of calendar days in the semester not completed by the student by the total calendar days in the semester. The total calendar days in the semester begins with the first day of classes, ends with the last scheduled day of exams, includes weekends, but excludes scheduled breaks of five or more days and days that the student was on an approved leave of absence. No adjustments will be made to a student's Financial Aid if the percentage representing the amount of time remaining in the semester is less than 40%.

The University will refund the amounts due from the University and the student to the appropriate Title IV program in the following order:

- Unsubsidized Federal Stafford Loans
- Subsidized Federal Stafford Loans
- Unsubsidized Federal Direct Stafford Loans
- Subsidized Federal Direct Stafford Loans
- Federal Perkins Loan
- Federal PLUS Loans Federal Direct PLUS Loans

If unearned funds remain to be returned after repayment of all outstanding loan amounts, the remaining excess must be credited to any amount awarded for the payment period of enrollment for which a return of funds if required in the following order:

- Federal Pell Grants
- Federal SEOG
- Other grants or loan assistance authorized by Title IV of the HEA.

The University will assume the responsibility for making the appropriate refunds to the Title IV programs for overpayments received by the student, as well as overpayments received by the University. It is the responsibility of the student to pay the University for these overpayments within 90 days of the date that the student withdrew from the University. Failure to repay the University the amounts of the overpayments will jeopardize the student's eligibility for further Title IV financial assistance at Howard University as well as other institutions of higher education.

Satisfactory Academic Progress Policy

Three components of your academic record determine whether you are maintaining satisfactory academic progress: (1) course completion, (2) grade point average (GPA) and (3) maximum eligibility. The requirements in each area vary according to your status as an undergraduate, graduate or professional student, your school/college of enrollment, and your enrollment status (full-time, halftime, or less than-half-time). This federal policy affects your eligibility for all forms of assistance, including but not limited to, the following aid programs:

1. Federal: Federal Work-Study, Federal Pell Grant, Federal Perkins Loan, Federal Direct PLUS Loan (Parent loan), Federal Supplemental Educational Opportunity Grant (SEOG), Graduate PLUS Loans, Federal Family Education Loan Program, Federal Direct Loan Program (Subsidized and Unsubsidized), Nursing Student Loans and Health Professions Loans and Grants
2. State: All State eligible programs, Alternate Loan Programs (that do not consider SAP to be a criterion), and Student Educational Loan Fund.
3. Institutional: Departmental scholarships/grants, Howard University Student Employment Program (HUSEP), Graduate Remission or Assistantships.
4. Private Loans: Students on SAP may only apply for private loans that do not seek a student's academic progression (or lack thereof) a necessary criterion. This is often done by conducting an internet search.

Satisfactory Academic Progress will now be evaluated on a per semester basis. It will no longer be evaluated on an annual basis. Once a student finds themselves as being on 'financial aid suspension' per email notification

and by checking their BisonWeb account, they then are to initiate the appeal process. Once an appeal has been received, reviewed, and approved by members of the office's Professional Judgment Committee, students must also submit an Academic Plan (AP) to be electronically signed and acknowledged by their major advisor. The AP must have the advisor's signature on it to confirm they have approved the courses a student plans to take and successfully pass in the upcoming semester.

If AP's are not received within a timely manner, this will subsequently affect the disbursement of a student's aid for that particular semester. If a student changes their classes (by adding or dropping) within the same semester, they must resubmit their AP to the Office of Financial Aid noting the necessary changes and their academic advisor must e-sign those changes. At the conclusion of each semester, a student's performance will be assessed on the following criteria:

Completion Ratio

Your enrollment status is reviewed at the conclusion of each academic semester (fall and spring) to verify that you have earned the required minimum number of credits during fall and spring semesters. You are required to complete at least 70% of all attempted hours of coursework each academic semester. (E.g. If a student registers for 15 credit hours in the fall semester; 5 (3 credit) courses, they must pass each course with a letter grade of "C" or better.) Grades or indicators of 'F' (Fail), 'I' (Incomplete), 'U' (Unsatisfactory), 'UW' (Unofficial Withdrawal), 'NR' (Never Reported) all count against your completion ratio. Repeated coursework may not be used in the calculation of your completion ratio and is not covered by financial aid.

Cumulative Grade Point Average (GPA)

As an undergraduate student, your per semester grade point average (GPA) will be reviewed. Freshmen students with a GPA lower than 2.0 at the conclusion of the fall semester will be placed on Financial Aid Probation. Regardless of the program of study, students who do not meet the required minimum GPA requirements (or academic standards) of the program are automatically SAP suspended.

Maximum Eligibility

A student will maintain financial aid eligibility for a specified period of time. Undergraduate students must complete their chosen academic program within 150 percent of the number of credit hours required for graduation or successful completion. (For example, an undergraduate student may attempt a maximum of 191 credit hours for a program requiring 127 hours for graduation.) Undergraduate students will be notified when they are within 24 credit hours of reaching the expiration of their financial aid eligibility. Students must continue their studies at their expense they have reached their maximum eligibility.

Financial Aid Probation

If at the end of the semester a student is listed as being on PROBATION of any kind (e.g. Probation for Credits, Probation for Grades and Probation for Grades/Credits), the student is still eligible to receive aid for the next semester. A student's probationary status is a warning that he or she must meet all SAP criteria for any subsequent terms of attendance in order to maintain financial aid eligibility. A student does not need to appeal this status in order to receive aid. Financial aid probation will occur for a student's next academic semester of attendance if he or she fails to earn the minimum number of credits and/or the GPA required. Such students may continue to receive financial aid while on financial aid probation.

Types of Financial Aid Suspension

Your financial aid eligibility will be suspended if you fail to earn the necessary credits or achieve the required GPA while on financial aid probation. At that time, you will no longer be eligible to receive financial aid to attend Howard University. To reinstate your financial aid eligibility, you must appeal to the Office of Financial Aid by the proposed deadline per semester. If a student's appeal is denied for whatever reason, they then may

re-enroll and successfully complete the courses they have registered for at their own expense, at least for one semester. At the conclusion of that particular semester, students may then re-appeal to the Office of Financial Aid explaining in a detailed type-written narrative to then request to have their aid reinstated. Students cannot receive financial aid if they do not meet the necessary criteria. Students who have been suspended consecutively will be ineligible for aid reinstatement until they have covered the courses they have registered for at their own expense. Students are more than welcome to seek other sources of funding that include alternative loans that do not consider SAP to be a criterion.

Academic Suspension

You are not eligible to receive financial aid if you have been de-matriculated (academically suspended) from the University. When you have been readmitted by the University; a process students must complete with the Office of Admission, as a Former Student Returning, you must complete the SAP appeal process. Your financial aid eligibility status will be determined based on the SAP criteria and a thorough review of your academic transcript.

Exclusions

The following types of registration and grades cannot be used to fulfill probation, suspension or re-matriculation requirements: credits by special exam, Advanced Placement or CLEP exams, distance education or correspondence courses for which you have not obtained prior approval, audit, withdrawal, incomplete and zero credit courses.

Appeal Process

You may appeal a financial aid suspension status by submitting a completed appeal packet to the Office of Financial Aid within 14 calendar days from the date of your notification. It is the responsibility of the student to follow up with their advisor as often as possible, throughout the semester, by checking their BisonWeb account for updates by checking their financial aid eligibility from one semester to the next, as well as their personal preferred email address for emails on pertinent deadlines and updates.

Types of suspension that CAN BE appealed by the appropriate deadline:

1. **Suspension from the University** - Student is academically suspended from the University.*
2. **Suspension for Credits** - Student did not earn at least 70% of the credit hours attempted in the previous two (2) academic years.
3. **Suspension for Grades**** - Student did not earn minimum GPA required for 'good standing' for previous two (2) years.

Types of suspension that CANNOT be appealed:

1. 4 Year Undergraduate Suspension - Student has met or exceeded maximum degree timeframe (1.5 times the total minimum credit hours required for degree).
2. 5 Year Undergraduate Suspension - Student has met or exceeded maximum degree timeframe (1.5 times the total minimum credit hours required for degree) OR has more than 12 hours of incomplete credits.

SAP Appeal forms are available to suspended students via BisonWeb.

If you have failed to achieve SAP (Satisfactory Academic Progress) because of mitigating circumstances, your appeal packet must consist of the following:

1. SAP appeal form with type of suspension indicated per your BisonWeb account
2. Detailed type-written narrative of what led to your suspension status, and explanation of what you intend to do to improve your plan of action, and
3. Copies of all supporting documentation attached.

Once your appeal has been received and reviewed by the Appeals Committee, you will receive written notification of the committee's decision by email to the address you have provided in your appeal packet. You will also notice the appropriate changes made to your award package on your BisonWeb account. Note: All incomplete appeals will be denied. All appeal decisions are final and the submission of a SAP appeal does not guarantee reinstatement of aid eligibility. Students who are currently SAP suspended are strongly advised to create alternate financial plans in the event your appeal is denied.

Additional SAP Requirements

If you are listed as being SUSPENDED FROM THE UNIVERSITY, the appeal process is two-fold.

Step 1: You must appeal to your school/college as well as

Step 2: the Office of Financial Aid. It is your responsibility to stay abreast of deadlines. Stipulation letters do not ensure financial aid reinstatement and one is not contingent upon the other.

For further inquiries please contact the Office of Financial Aid at: <http://www.howard.edu/financialaid/contacts/staff-finaid.htm>

1. Although you may not be receiving financial aid, you will be evaluated for financial aid eligibility on the same basis as students who receive federal and state aid. Should you apply for aid, your eligibility will be based on your prior academic performance at Howard University.
2. If you are enrolled in a dual degree program, you may appeal for an extension of the maximum time frame provision of this policy.
3. If you are an undergraduate student pursuing a second degree, you may attempt an additional 48 credit hours to complete your second degree program, including prerequisite courses. Graduate/professional students may attempt an additional 24 credit hours.
4. If you are a transfer student, your maximum eligibility will be reduced by the number of transfer credits accepted by Howard University.
5. Credits you have earned at foreign institutions will be included in your SAP evaluation provided they are applicable to the degree/program sought.
6. Courses in which you receive a grade of 'I'(incomplete) accompanied by a letter grade will be considered when evaluating your completion ratio, and will influence your term and cumulative GPA. All attempted and earned credits are considered in maximum eligibility determination.
7. Courses in which you receive a grade of 'W' (withdrawal) do not earn credits or affect your GPA, but they will be considered when evaluating your maximum eligibility. You may retake courses from which you withdraw and those credits will count toward determining your enrollment status and completion ratio, provided you have not earned credit for the same course.
8. If you are enrolled in undergraduate remedial courses, credits attempted/earned will count toward determining your enrollment status, minimum credits earned and maximum eligibility.
9. If you take undergraduate courses while you are a graduate student, courses that are satisfactorily completed do not earn graduate credit or influence your graduate GPA, nor will they count toward determining your enrollment status or minimum credits earned at the graduate level.
10. All undergraduate and prerequisite courses are evaluated in SAP Maximum Eligibility.
11. If you are taking courses to earn professional licensure, you must be admitted to a degree program in order to receive financial aid. Students completing licensure courses and are not seeking a bachelor's, master's, or doctoral degree are not eligible for financial aid.
12. The credits earned from repeated courses will count toward the determining your enrollment status and maximum eligibility. However, for purposes of financial aid satisfactory academic progress, only credits adding to the cumulative credits earned will be acceptable toward the required minimum number of credits earned per year.
13. If you attend a summer session and wish those credits/grades to be considered with your fall and spring total, you must complete the appeal process at the end of the summer term. Summer credits will count toward determining your maximum eligibility.

Federal Financial Aid Unofficial Withdrawal Policy

Howard University is required by federal law to identify and report any student who has unofficially withdrawn from the University and is a recipient of federal student aid. As a result of this requirement, it is the policy of Howard University that all faculty members, by the end of the Mid-term of each semester, identify students who have never attended class. The faculty will be required to report this unofficial withdrawal data using the online Banner Web Grade Reporting System. A grade of "UW" (Unofficial Withdrawal) will be assigned to any student who stopped attending and participating in the course and did not officially withdraw. A grade of "NR" (Never Reported) will be assigned to any student who never attended or who stop attending without officially withdrawing will adversely affect their grade point averages through the failing grades they will earn at the end of the semester.

Cost of Attendance

2020 – 2021 Undergraduate Cost of Attendance

The cost of attendance (COA) is an average estimate of what it costs a typical undergraduate student to attend Howard University for one academic year. Your cost of attendance estimate doesn't only include tuition. It also takes basic living and commuting expenses into account. The actual amount you pay, and the amount it costs you for one academic year will always differ from the cost of attendance.

A typical Howard University undergraduate student living on campus and taking a full load of classes might have the following cost of attendance for the 2020-2021 school year:

		On-Campus
Direct Costs Estimate:	Tuition	\$26,464
	Fees	\$2,276
	Housing and Needs	\$14,180
	Subtotal	\$42,920
Indirect Costs Estimate:	Books & Supplies	\$1,900
	Transportation	\$1,000
	Personal Expenses	\$2,160
	Total	\$47,980
	<i>If a family opts to take out a loan, federal fees are associated with doing so.</i> Loan Fees - Stafford	\$100
	Cost of Attendance	\$48,080

Other Information

Howard University 2020-2021 Academic Calendar (Excluding Dentistry, Law, Medicine and Nontraditional Programs)

FALL (FIRST) SEMESTER 2020

Date Policy: Deadlines are listed according to the calendar date on which they fall, even if that date falls on a weekend or is a legal holiday. Such deadlines must be met by close of business of the business day immediately following a weekend or legal holiday.

June 19, Friday	Early Processing deadline for receipt of all required Financial Aid documents for Fall 2020 Consideration. Documents include (but not limited to) Verification, Independent Status Petition, Special Circumstances Appeal, Satisfactory Academic Progress (SAP) Appeal, College Enrollment Verification, Authorization to Apply Title IV Funds
July 1, Wednesday	Deadline for required health documents for new entrants

Payment-in-full due for Fall 2020 (ALL STUDENTS)

August 10, Monday	Deadline to enroll in the Payment Plan via TouchNet at 25% down payment (Enrollment Fee is required)															
August 14, Friday	Fall disbursement of financial aid to eligible students' accounts with the Office Of Bursar															
August 14, Friday to August 15, Saturday	Residence Halls open for check-in of New Entrants at 8 A.M. Department will notify new entrants of check in times and dates															
August 17, Monday to August 21, Friday	ORIENTATION, ACADEMIC ADVISEMENT AND COURSE REGISTRATION, for all New Undergraduate Students															
August 20, Thursday to August 21, Friday	Residence Halls open for Continuing Students at 9:00 A.M. (No Weekend Residence Hall Check-in)															
August 24, Monday to September 4, Friday	LATE REGISTRATION/CHANGE OF PROGRAM PERIOD (Add or drop a course without a grade of "W," change from one section to another, change from credit to audit or audit to credit). Late registration fee assessed for all new registrations.															
August 24, Monday	FORMAL CLASSES BEGIN															
August 28, Friday	Deadline for receipt of approved applications for Intra-University Transfer for Fall 2020 in the Office of the Registrar LAST DAY TO REGISTER FOR FALL 2020															
September 4, Friday	Deadline to receive 100% refund of tuition/fees. Please note that the online Total Withdrawal Request Form must be submitted. Deadline for students to add, change or cancel meal plan charges															
September 7, Monday	UNIVERSITY CLOSED - Labor Day Observed															
September 11, Friday	Registration holds for Spring 2021 applied to all accounts with a balance greater than zero and late payment fees assessed.															
September 8, Tuesday to November 13, Friday	Graduation Application available via BisonWeb for Fall 2020 prospective candidates															
September 14, Monday	Deadline for instructors to submit Never Reported (NR) and Unofficial Withdrawal (UW) grades to the Office of the Registrar. OPENING CONVOCATION															
September 25, Friday	11:00 A.M. (Classes Suspended from 10:00 A.M. – 1:00 P.M.) Location: To Be Announced Deadline to receive 50% refund of tuition/fees															
October 1, Thursday	2021-2022 Free Application for Federal Student Aid (FAFSA) available															
October 2, Friday	Preliminary Enrollment Census date															
October 9, Friday	Deadline for instructors to submit Midterm grades via BisonWeb for Fall 2020 Deadline to receive 25% refund of tuition/fees (Last day for tuition/fee refunds)															
October 23, Friday	Final Enrollment Census Date															
October 24, Saturday	College of Arts and Sciences Senior Comprehensive Examinations in major fields for prospective December 2020, May and Summer 2021 graduates – To be conducted online															
October 26, Monday to April 2, Friday	Graduation Application available via BisonWeb for Spring 2021 prospective candidates Fall 2021 First-Time in College Early Action Admission Application deadline															
November 1, Sunday	Priority deadline for receipt of 2021-2022 Free Application for Federal Student Aid (FAFSA) for Prospective and Continuing Students Spring 2021 Registration begins for Continuing Students BisonWeb is available for registration from 9AM to midnight each day															
November 16, Monday	<table><thead><tr><th>DAY</th><th>DATE</th><th>CLASSIFICATION</th></tr></thead><tbody><tr><td>Monday</td><td>November 16</td><td>Senior</td></tr><tr><td>Tuesday</td><td>November 17</td><td>Junior</td></tr><tr><td>Wednesday</td><td>November 18</td><td>Sophomore</td></tr><tr><td>Thursday</td><td>November 19</td><td>Freshman & Unclassified</td></tr></tbody></table>	DAY	DATE	CLASSIFICATION	Monday	November 16	Senior	Tuesday	November 17	Junior	Wednesday	November 18	Sophomore	Thursday	November 19	Freshman & Unclassified
DAY	DATE	CLASSIFICATION														
Monday	November 16	Senior														
Tuesday	November 17	Junior														
Wednesday	November 18	Sophomore														
Thursday	November 19	Freshman & Unclassified														

DAY DATE CLASSIFICATION

Friday November 20 Graduate

November 11, Wednesday
UNIVERSITY CLOSED – Veterans Day Observed

November 13, Friday
LAST DAY TO WITHDRAW FROM A FALL 2020 COURSE

November 13, Friday
LAST DAY TO COMPLETE A TOTAL WITHDRAWAL FROM THE UNIVERSITY <https://www2.howard.edu/withdrawal> (No refunds)

Deadline for prospective Fall 2020 Graduates to apply for graduation via BisonWeb
FORMAL CLASSES END

November 25, Wednesday
Classes and University Services Suspended at NOON

DEADLINE FOR STUDENTS TO CLEAR SPRING 2020 INCOMPLETE GRADES WITH INSTRUCTORS

November 28, Saturday to November 29, Sunday
UNIVERSITY CLOSED - THANKSGIVING RECESS

November 28, Saturday to November 29, Sunday
Reading Period

DEPARTMENTAL EXAMINATIONS - To be conducted online

Departments	Examination Dates	Examination Times
English	Monday, November 30th	8:00 a.m. – 10:00 a.m.
French 001, 002, & 003	Monday, November 30th	3:30 p.m. – 5:30 p.m.
Spanish 001, 002 & 003	Monday, November 30th	1:00 p.m. – 3:00 p.m.
Social Sciences	Monday, November 30th	3:30 p.m. – 5:30 p.m.
General Physics	Monday, November 30th	10:30 a.m. – 12:30 p.m.
Economics 001 & 002	Tuesday, December 1st	8:00 a.m. – 10:00 a.m.
Comprehensive Sciences	Tuesday, December 1st	1:00 p.m. – 3:00 p.m.
Classical Mythology	Tuesday, December 1st	1:00 p.m. – 3:00 p.m.
Mathematics	Tuesday, December 1st	3:30 p.m. – 5:30 p.m.

November 30, Monday to December 1, Tuesday

FINAL EXAMINATIONS - To be conducted online

(Deadline for instructors to submit final grades via BisonWeb is five calendar days after the scheduled final examination)

Class Meeting Time	Examination Date	Examination Time
MWF 8:10 a.m.	Wednesday, December 2nd	8:00 a.m. – 10:00 a.m.
MWF 9:10 a.m.	Wednesday, December 2nd	11:00 a.m. – 1:00 p.m.
MWF 10:10 a.m.	Wednesday, December 2nd	2:00 p.m. – 4:00 p.m.
MWF 11:10 a.m.	Wednesday, December 2nd	5:00 p.m. – 7:00 p.m.
MWF 12:10 p.m.	Friday, December 4th	8:00 a.m. – 10:00 a.m.
MWF 1:10 p.m.	Friday, December 4th	11:00 a.m. – 1:00 p.m.
MWF 2:10 p.m.	Friday, December 4th	2:00 p.m. – 4:00 p.m.
MWF 3:10 p.m.	Friday, December 4th	5:00 p.m. – 7:00 p.m.
MWF 4:10 p.m.	Monday, December 7th	8:00 a.m. – 10:00 a.m.
MWF 5:10 p.m.	Monday, December 7th	11:00 a.m. – 1:00 p.m.
MWF 6:10 p.m.	Monday, December 7th	2:00 p.m. – 4:00 p.m.
MWF 7:10 p.m.	Monday, December 7th	5:00 p.m. – 7:00 p.m.
TR 8:10 a.m.	Thursday, December 3rd	8:00 a.m. – 10:00 a.m.
TR 9:40 a.m.	Thursday, December 3rd	11:00 a.m. – 1:00 p.m.
TR 11:10 a.m.	Thursday, December 3rd	2:00 p.m. – 4:00 p.m.
TR 12:40 p.m.	Thursday, December 3rd	5:00 p.m. – 7:00 p.m.
TR 2:10 p.m.	Tuesday, December 8th	8:00 a.m. – 10:00 a.m.

December 2, Wednesday to December 8, Tuesday

Class Meeting Time	Examination Date	Examination Time
TR 3:40 p.m.	Tuesday, December 8th	11:00 a.m. – 1:00 p.m.
TR 5:10 p.m.	Tuesday, December 8th	2:00 p.m. – 4:00 p.m.
TR 6:40 p.m.	Tuesday, December 8th	5:00 p.m. – 7:00 p.m.
TR 7:10 p.m.	Tuesday, December 8th	5:00 p.m. - 7:00 p.m.

Spring 2021 Bills available via BisonWeb

December 4, Friday Deadline for academic deans to submit Special Grade Reports to the Office of the Registrar for removal of Spring 2020 incomplete grades

December 8, Tuesday
FIRST SEMESTER ENDS
Official GRADUATION DATE for Fall 2020-degree recipients

December 16, Wednesday to January 3, Sunday 2021
UNIVERSITY CLOSED - WINTER RECESS

January 8, Friday 2021
Deadline for receipt of Fall 2020 Graduation Recommendations in the Office of the Registrar

SPRING (SECOND) SEMESTER 2021

January 11, Monday
Spring disbursement of financial aid to eligible students' accounts with the Office of Bursar

January 14, Thursday
Residence Halls open for check-in for New Residents at 10:00 A.M.

January 15, Friday
ORIENTATION, ACADEMIC ADVISEMENT, COURSE REGISTRATION, and PAYMENT of tuition/fees for all New Undergraduate Students

Residence Halls open for check-in for Continuing Students at 10:00 A.M.

January 17, Sunday
Deadline to enroll in the Payment Plan via TouchNet at 25% down payment (Enrollment Fee is required)

January 18, Monday
University Closed – Martin Luther King, Jr.'s Birthday Observed

January 19, Tuesday
FORMAL CLASSES BEGIN

January 19, Tuesday to January 29, Friday
LATE REGISTRATION/CHANGE OF PROGRAM PERIOD (Add or drop a course without a grade of "W," change from one section to another, change from credit to audit or audit to credit). **Late registration fee assessed for all new registrations.**

January 20, Wednesday
University Closed – Inauguration Day Observed

LAST DAY TO REGISTER FOR SPRING 2021

Deadline to receive 100% refund of tuition/fees. Please note that the online Total Withdrawal Request Form must be submitted.

Payment-in-full is due for students who register for the first time during the late registration period

Deadline for receipt of December 2020 Graduation Recommendations in the Office of the Registrar

January 29, Friday Deadline for receipt of approved applications for Intra-University Transfers for Spring 2021 in Office of the Registrar

Deadline for students to add, change or cancel meal plan charges

Deadline for students checking out of Residence Halls to receive 50% refund of housing charges

Deadline for students checking out of meal mandated Residence Halls and/or withdrawing from the University to receive 50% of meal plan charges

Financial holds applied to all accounts with a balance greater than zero and late payment fees assessed.

February 8, Monday
Deadline for instructors to submit Never Reported (NR) and Unofficial Withdrawal (UW) status reports via BisonWeb for Spring 2021

	Deadline to receive 50% refund of tuition/fees
	Deadline for students checking out of Residence Halls and/or withdrawing from the University to receive 25% of meal plan and/or housing charges
	Preliminary Enrollment Census date
	Review room selection eligibility for housing selection 2021-2022
February 15, Monday	UNIVERSITY CLOSED – Presidents Day Observed
February 15, Monday	Regular Decision deadline for receipt of First-Time in College applications for admission for Fall 2021
	\$200 Housing Deposit is due
February 26, Friday	Deadline to receive 25% refund of tuition/fees (Last day for tuition/fees refunds for Spring 2021)
	Final Enrollment Census date
	CHARTER DAY CONVOCATION
	Cramton Auditorium, 11:00 A.M.
March 5, Friday	(Classes suspended from 10:00 A.M. - 1:00 P.M.)
	Deadline for instructors to submit Midterm grades vis BisonWeb
March 6, Saturday to March 14, Sunday	SPRING BREAK
March 27, Saturday	Senior Comprehensive Examination in major fields for College of Arts and Sciences prospective May, Summer, and December 2021 graduates
March 29, Monday to April 2, Friday	Eligible students may make online housing selections for those who submitted their Advanced Rent Payment (Continuing Students Only)
	Fall 2021 Registration begins for Continuing Students BisonWeb is available for registration from 9AM to midnight each day
	DAY DATE CLASSIFICATION
	Monday April 05 Senior
April 5, Monday to April 9, Friday	Tuesday April 06 Junior
	Wednesday April 07 Sophomore
	Thursday April 08 Freshman & Unclassified
	Friday April 09 Graduate
	LAST DAY TO WITHDRAW FROM A Spring 2021 COURSE
	LAST DAY TO COMPLETE A TOTAL WITHDRAWAL FROM THE UNIVERSITY https://www2.howard.edu/withdrawal (No refunds)
April 9, Friday	Deadline for prospective Spring 2021 graduates to apply for graduation via BisonWeb
April 9, Friday	Deadline for receipt of Housing applications for Continuing Students for Summer 2021
April 12, Monday	Summer 2021 Registration begins for Continuing Students BisonWeb is available for registration from 9AM to midnight each day
April 12, Monday to July 5, Monday	Graduation Application available via BisonWeb for Summer 2021 prospective candidates
April 20, Tuesday to April 22, Thursday	FINAL EXAMINATIONS FOR PROSPECTIVE S P R I N G 2 0 2 1 GRADUATES
	FORMAL CLASSES END
April 23, Friday	DEADLINE FOR INSTRUCTORS TO SUBMIT GRADES FOR PROSPECTIVE GRADUATES
April 23, Friday to April 25, Sunday	Reading Period
	DEPARTMENTAL EXAMINATIONS
April 26, Monday to April 27, Tuesday	(Deadline for instructors to submit final grades via BisonWeb is five calendar days after the scheduled final examination)
	Departments Examination Dates Examination Times
	English Monday, April 26th 8:00 a.m. – 10:00 a.m.
	French 001, 002, & 003 Monday, April 26th 3:30 p.m. – 5:30 p.m.

Departments	Examination Dates	Examination Times
Spanish 001, 002 & 003	Monday, April 26th	1:00 p.m. – 3:00 p.m.
Social Sciences	Monday, April 26th	3:30 p.m. – 5:30 p.m.
General Physics	Monday, April 26th	10:30 a.m. – 12:30 p.m.
Economics 001 & 002	Tuesday, April 27th	8:00 a.m. – 10:00 a.m.
Comprehensive Sciences	Tuesday, April 27th	1:00 p.m. – 3:00 p.m.
Classical Mythology	Tuesday, April 27th	1:00 p.m. – 3:00 p.m.
Mathematics	Tuesday, April 27th	3:30 p.m. – 5:30 p.m.

April 27, Tuesday Deadline for students to clear Fall 2020 incomplete grades with instructors

FINAL EXAMINATIONS

(Deadline for instructors to submit final grades via BisonWeb is five calendar days after the scheduled final examination)

Class Meeting Time	Examination Date	Examination Time
MWF 8:10 a.m.	Wednesday, April 28th	8:00 a.m. – 10:00 a.m.
MWF 9:10 a.m.	Wednesday, April 28th	11:00 a.m. – 1:00 p.m.
MWF 10:10 a.m.	Wednesday, April 28th	2:00 p.m. – 4:00 p.m.
MWF 11:10 a.m.	Wednesday, April 28th	5:00 p.m. – 7:00 p.m.
MWF 12:10 p.m.	Friday, April 30th	8:00 a.m. – 10:00 a.m.
MWF 1:10 p.m.	Friday, April 30th	11:00 a.m. – 1:00 p.m.
MWF 2:10 p.m.	Friday, April 30th	2:00 p.m. – 4:00 p.m.
MWF 3:10 p.m.	Friday, April 30th	5:00 p.m. – 7:00 p.m.
MWF 4:10 p.m.	Monday, May 3rd	8:00 a.m. – 10:00 a.m.
MWF 5:10 p.m.	Monday, May 3rd	11:00 a.m. – 1:00 p.m.
MWF 6:10 p.m.	Monday, May 3rd	2:00 p.m. – 4:00 p.m.
MWF 7:10 p.m.	Monday, May 3rd	5:00 p.m. – 7:00 p.m.
TR 8:10 a.m.	Thursday, April 29th	8:00 a.m. – 10:00 a.m.
TR 9:40 a.m.	Thursday, April 29th	11:00 a.m. – 1:00 p.m.
TR 11:10 a.m.	Thursday, April 29th	2:00 p.m. – 4:00 p.m.
TR 12:40 p.m.	Thursday, April 29th	5:00 p.m. – 7:00 p.m.
TR 2:10 p.m.	Tuesday, May 4th	8:00 a.m. – 10:00 a.m.
TR 3:40 p.m.	Tuesday, May 4th	11:00 a.m. – 1:00 p.m.
TR 5:10 p.m.	Tuesday, May 4th	2:00 p.m. – 4:00 p.m.
TR 6:40 p.m.	Tuesday, May 4th	5:00 p.m. – 7:00 p.m.
TR 7:10 p.m.	Tuesday, May 4th	5:00 p.m. – 7:00 p.m.

April 28,
Wednesday to
May 4, Tuesday

NOTE: FOR THOSE CLASSES THAT MEET ONCE WEEKLY OR AT A TIME NOT SHOWN ABOVE, THE INSTRUCTOR SHOULD SCHEDULE, IN CONSULTATION WITH THE STUDENT(S) INVOLVED, THE FINAL EXAM (IF ANY) WITH THEIR DEPARTMENT CHAIR TO ARRANGE FOR AN EXAMINATION ROOM

DEADLINE FOR ACADEMIC DEANS TO SUBMIT SPECIAL GRADE REPORTS TO THE OFFICE OF THE REGISTRAR FOR REMOVAL OF INCOMPLETE GRADES FOR FALL 2020

April 30, Friday

SECOND SEMESTER ENDS

May 5,
Wednesday

Deadline for receipt of Spring 2021 Graduation Recommendations in the Office of the Registrar

May 5,
Wednesday

COMMENCEMENT

May 8, Saturday

Upper Quadrangle - Main Campus, 10:00 A.M

May 9, Sunday

Check out of Residence Halls for all undergraduate students at 12:00 P.M.

May 10, Monday

Check out of Residence Halls for all Spring 2021 graduates at 12:00 P.M.

Evaluate Satisfactory Academic Progress (SAP) for 2021-2022

May 14, Friday

Residence Halls open for check-in of Summer Session I residents

June 4, Friday

Deadline for Satisfactory Academic Progress (SAP) Appeals for the 2021-2022 academic year

June 11, Friday

Priority Processing Deadline for receipt of all required Financial Aid Documents for Fall 2021 consideration. Documents include (but not limited to) Verification, Independent Status Petition, Special Circumstances Appeal, College Enrollment Verification, Authorization to Apply Title IV Funds

SUMMER SCHOOL 2021

SESSION I: May 17 to June 20 Registration: May 13 to 17 SESSION II: June 21 to July 25 Registration: June 17 to 21

SUMMER SESSION I

May 7, Friday	Summer I financial aid disbursements for eligible students REGISTRATION for all students; Payment in-full is due upon registration
May 13, Thursday to May 17, Monday	(Add or drop a course without a grade of "W," change from one section to another, change from credit to audit or audit to credit) Consortium Registration FORMAL CLASSES BEGIN
May 17, Monday	Payment Due in Full for Summer Registration (All Students) Deadline to receive 100% refund of tuition/fees. Please note that the online Total Withdrawal Request Form must be submitted.
May 19, Wednesday	Summer Registration Disenrollment due to nonpayment
May 24, Monday	Deadline to receive 50% refund of tuition/fees (Total Withdrawal only)
May 28, Friday	Graduation holds applied for Summer 2021 graduates UNIVERSITY CLOSED - Memorial Day Observed
May 31, Monday	Deadline to receive 25% refund of tuition/fees (Total Withdrawal only) LAST DAY TO WITHDRAW FROM A COURSE
June 16, Wednesday	LAST DAY TO COMPLETE A TOTAL WITHDRAWAL FROM THE UNIVERSITY (Summer Session 1)
June 16, Wednesday	FORMAL CLASSES END FINAL EXAMINATIONS
June 17, Thursday to June 19, Saturday	(Deadline for instructors to submit final grades via BisonWeb is 3 calendar days after the scheduled final examination)
June 19, Saturday	Deadline for faculty to submit Unofficial Withdrawal (UW) and Never Reported (NR) status reports via BisonWeb for Summer Session I 2021
June 20, Sunday	FIRST FIVE-WEEK SUMMER SESSION ENDS Residence Halls close for Summer Session I residents
June 26, Saturday	Official GRADUATION DATE for Summer 2021-degree recipients in the Colleges of Dentistry, Medicine and Pharmacy only

FINAL EXAMINATION SCHEDULE FOR SUMMER SESSION I

June 17, Thursday	6:30 A.M. - 8:30 A.M.
June 17, Thursday	8:00 A.M. - 10:00 A.M.
June 18, Friday	8:00 A.M. - 10:00 A.M.
June 19, Saturday	9:00 A.M. - 11:00 A.M.
June 17, Thursday	11:00 A.M. - 1:00 P.M.
June 18, Friday	11:00 A.M. - 1:00 P.M.
June 17, Thursday	2:00 P.M. - 4:00 P.M.
June 18, Friday	2:00 P.M. - 4:00 P.M.
June 17, Thursday	6:00 P.M. - 8:00 P.M.
June 18, Friday	6:00 P.M. - 8:00 P.M.

SUMMER SESSION II

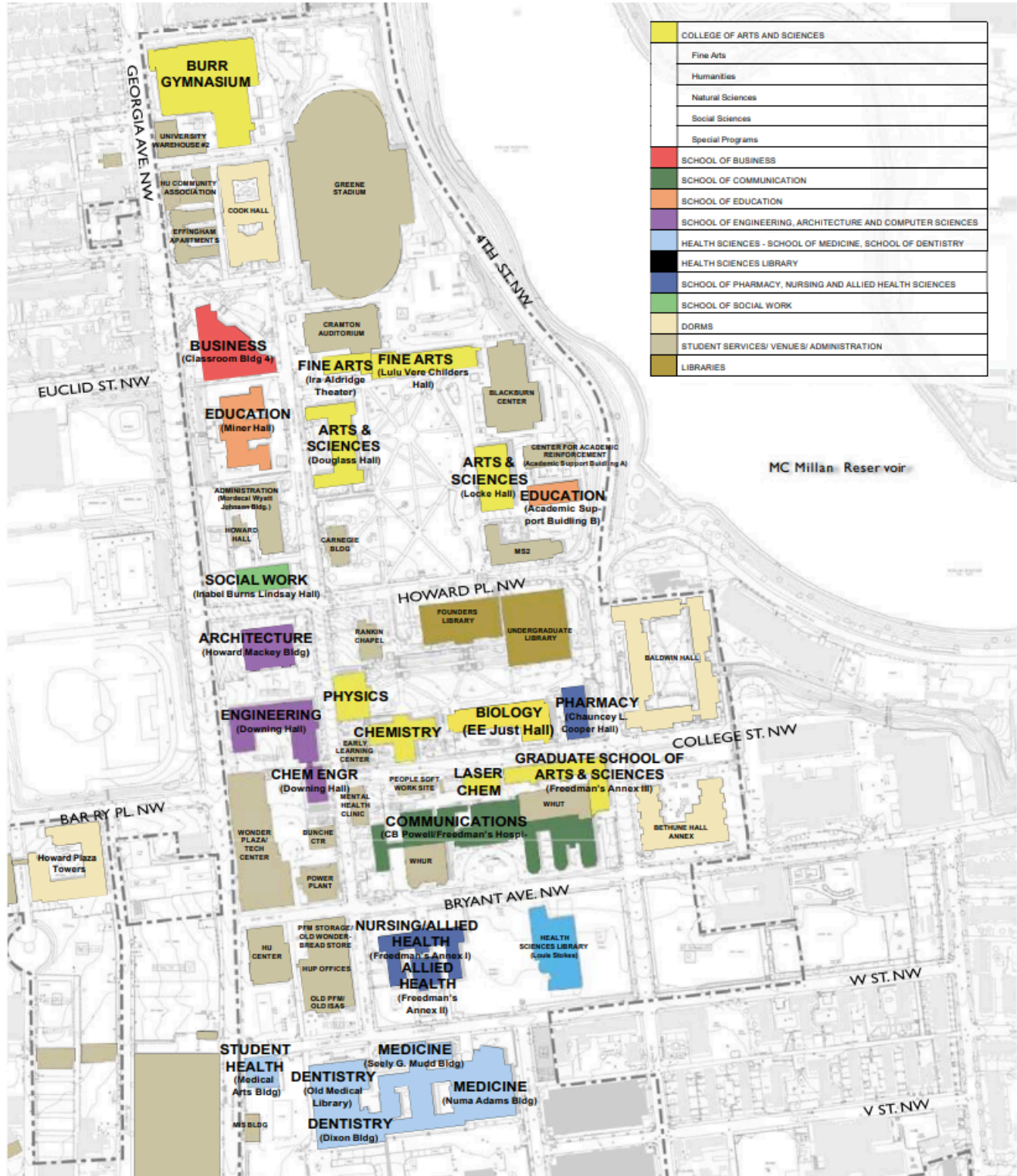
June 11, Friday	Summer II financial aid disbursements for eligible students
June 17, Thursday to June 21, Monday	REGISTRATION for all students; Payment in-full is due upon registration (Add or drop a course without a grade of "W," change from one section to another, change from credit to audit or audit to credit)

June 18, Friday	Consortium Registration Residence Hall check-in for Summer Session II residents at 10:00 A.M. FORMAL CLASSES BEGIN
June 21, Monday	Payment Due in Full for Summer Registration (All Students) Deadline to receive 100% refund of tuition/fees. Please note that the online Total Withdrawal Request Form must be submitted.
June 23, Wednesday	Summer Registration Disenrollment due to nonpayment
June 28, Monday	Deadline to receive 50% refund of tuition/fees UNIVERSITY CLOSED - Independence Day Observed
July 5, Monday	Deadline to receive 25% refund of tuition/fees LAST DAY TO WITHDRAW FROM A COURSE Deadline for prospective Summer 2021 graduates to apply for graduation via BisonWeb
July 5, Monday	Deadline for Satisfactory Academic Progress (SAP) Appeals for 2021-2022 Academic Year
July 21, Wednesday	LAST DAY TO COMPLETE A TOTAL WITHDRAWAL FROM THE UNIVERSITY (for Summer Session II)
July 21, Wednesday	FORMAL CLASSES END
July 21, Wednesday to July 23, Friday	FINAL EXAMINATIONS (Deadline for instructors to submit final grades via BisonWeb is 3 calendar days after the scheduled final examination)
July 24, Saturday	Residence Halls close for Summer Session II residents SECOND FIVE-WEEK SUMMER SESSION ENDS
July 25, Sunday	Deadline for faculty to submit Unofficial Withdrawal (UW) and Never Reported (NR) status reports via BisonWeb for Summer Session II 2021 Official GRADUATION DATE for Summer 2021-degree recipients
July 25, Sunday	Deadline for receipt of Summer 2021 Graduation Recommendations in the Office of the Registrar

FINAL EXAMINATION SCHEDULE FOR SUMMER SESSION II

July 21, Wednesday	6:30 A.M. - 8:30 A.M.
July 21, Wednesday	8:00 A.M. - 10:00 A.M.
July 22, Thursday	8:00 A.M. - 10:00 A.M.
July 23, Friday	9:00 A.M. - 11:00 A.M.
July 21, Wednesday	11:00 A.M. - 1:00 P.M.
July 22, Thursday	11:00 A.M. - 1:00 P.M.
July 21, Wednesday	2:00 P.M. - 4:00 P.M.
July 22, Thursday	2:00 P.M. - 4:00 P.M.
July 21, Wednesday	6:00 P.M. - 8:00 P.M.
July 22, Thursday	6:00 P.M. - 8:00 P.M.

Campus Facilities and Space Utilization



ACADEMIC PROGRAMS & FACILITIES

The university's 12 schools and colleges support 58 categories of degree offerings and a total of 171 majors (2010 Facts). Over the past ten years, 51 academic programs have been accredited. One program has not been

reviewed, one program closed, and one program is seeking firsttime accreditation. at the time of the Howard university self study Report, 29 programs in eight schools/colleges were undergoing self-studies and external reviews for reaccreditation.

COLLEGE OF ARTS AND SCIENCES (CoAS)

The College of arts and sciences is Howard university's oldest and largest school, founded in 1867. Coas is divided into four divisions: fine arts, humanities, natural sciences, and social sciences. The honors program enrolls approximately 200 students by invitation only.

The Division of Fine arts includes the Department of art, Department of music, and Department of Theatre arts. The Department of art is an accredited institutional member of the national association of schools of art Design and offers the following degrees:

- Bachelor of arts – Ba (art History, art management, Fashion merchandising, Interior Design)
- Bachelor of Fine arts – BFa (painting, Design, printmaking, photography, Ceramics, sculpture, Electronic studio, Experimental studio)
- Master of arts – ma (art History)
- Master of Fine arts – mFa (studio arts)
- The Department of music offers the following programs of study: The Department of music offers the following programs of study:
 - Bachelor of music (music with Electives in Business, Composition, music History, Jazz studies, performance, music Therapy)
 - Bachelor of music Education
 - master of music (performance or Jazz studies)
 - master of music Education

The Department of Theatre arts offers a BFa in Theatre arts, as well as minors in theatre arts, dance arts, and technical theater.

Howard university's Division of Humanities includes the Departments of Classics; English; World Languages and Cultures; and philosophy.

The Department of Classics provides Ba degrees in ancient Languages (Greek or Latin) and in Classical Civilization.

The Department of English offers Ba degrees in English with a focus on critical reading, analytical thinking, focused research, and precise writing skills.

The Department of World Languages and Cultures offers Ba degrees in French, German, spanish, Russian and an undergraduate program leading to secondary teacher education certification in French and spanish.

The Department of philosophy offers a Ba degree.

The Division of natural sciences includes the Departments of Biology; Chemistry; physics, Comprehensive sciences; Health, Human performance and Leisure.

The Biology Department has the largest enrollment of undergraduate majors in Coas. While not a degree program, the Comprehensive sciences program provides a series of basic science courses critical to the core general education curriculum requirements for students enrolled in university baccalaureate degree-granting programs. The Center for preprofessional Education organizes and directs programs that strengthen the motivation and preparation of undergraduate and graduate students for success in the curricula for the health professions.

The Division of social sciences offers Ba degrees in the Departments of african studies; afro-american studies; air Force ROTC; army ROTC; Economics; History; political science; and sociology and anthropology.

Coas is accredited by the following agencies:

- american alliance for Health, physical Education, and Dance
- national Council for accreditation of Teacher Education
- american Chemical society
- american psychological association
- middle states association of Colleges and schools
- national association for sport and physical Education
- national association of schools of art and Design
- national association of schools of music
- national association of schools of Theatre

The College of arts and sciences currently occupies space in nine buildings on the Central Campus. The aging buildings do not allow for flexibility and also constrain scheduling for various programs. specific needs include additional lecture halls with updated a/V and acoustics, studio space for the Department of Fine arts, an observation room for psychology, improved laboratory space for the hard sciences, and improved technology for labs and classroom spaces. additionally, the math and Economics departments are housed in a building that was designed to be temporary and does not meet aDa requirements.

COLLEGE OF ENGINEERING, ARCHITECTURE, AND COMPUTER SCIENCES (CEaCs)

The College of Engineering, architecture and Computer sciences is home to the Departments of architecture; Chemical Engineering; Civil Engineering; Electrical and Computer Engineering; mechanical Engineering; and systems and Computer science. The vision of CEaCs is to become a recognized leader in research and the creation of learning environments conducive to the solution of problems which transcend the boundaries of discipline and profession.

The Howard university science, Engineering, and mathematics program (HusEm) is a multidisciplinary program involving nine departments in CEaCs and the College of arts and sciences. The goal of the HusEm program is to promote academic achievement as well as increase the numbers of underrepresented minorities who receive baccalaureate and graduate degrees in sTEem disciplines.

Ideally all departments and colleges in the HusEm program should be co-located in a facility conducive to cutting-edge research and collaboration.

- CEaCs is accredited by the following agencies:
- accreditation Board for Engineering and Technology, Inc.
- Computer science accreditation Board
- national architectural accrediting Board, Inc.

The College of Engineering, architecture, and Computer science space needs are related to Howard university's increased emphasis on science, technology, engineering, and mathematics (sTEem) disciplines.

CEaCs requires flexible classrooms with updated technology, as well as large studio spaces for the architecture program.

CEaCs is housed in three buildings on the west side of the Campus: Chemical Engineering, Downing Hall and the Howard mackey Building. These three buildings face onto both Georgia avenue and 6th street.

SCHOOL OF EDUCATION (HUSOE)

Howard university school of Education (HusoE) offers degree and certification programs through its three departments: Curriculum and Instruction; Educational administration and policy; and Human Development and psychoeducational studies.

HusoE offers four doctoral, 20 masters, and seven certificates of advanced studies programs, and one undergraduate degree: Bs in Human Development with certification in early childhood education.

The mission of Howard university's school of Education is to prepare teachers, administrators, researchers, program evaluators, and human development professionals for leadership in urban and diverse educational settings; significantly influence the national education agenda for african american children; conduct and disseminate research that supports the belief that all students can learn; and provide a research-based blueprint for developing professionals who are capable of creating environments that evoke the abilities and talents of all students.

The school of Education is accredited by national Council for the accreditation of Teacher Education and the national association of state Directors of Teachers Education and Certification. The PhD program in counseling psychology is accredited by the american psychological association.

The majority of the spaces used by the school of Education are currently housed in a "temporary" building that is past its useful life. (academic support Building B)

Recent renovation of miner Hall has provided five classrooms that meet the needs of the school of Education; renovation of the remainder of the building would allow the school of Education to move out of academic support Building B and into space that is more appropriately designed for the school.

HusoE requires new space for research and teaching assistants, a curriculum library, observation rooms, and additional faculty offices. all school of Education space should be located in a single facility.

SCHOOL SF SOCIaL WORK (SSW)

The goals and objectives of the school of social Work emphasize preparation of advanced level masters of social Work (msW) professionals to practice at the local, national and international levels for the solution of human problems and to become leaders in their communities. ssW doctoral graduates are prepared for the professoriate, research and leadership. The school of social Work is accredited by the Council on social Work Education.

The ssW's facility needs updated technology, a more defined main entrance, and additional storage space. The existing facility is inadequate in size and configuration for ssW to increase its research capability in the future.

SCHOOL OF BUSINESS

The Howard university school of Business was founded in 1970 and has grown to prominence over the years. In 2006, its master of Business administration (mBa) programs were recognized by the princeton Review as number one for "Greatest opportunities for minority students", and number five for "most Competitive students."

The school of Business offers the following undergraduate degrees, as well as mBa programs:

- accounting
- Hospitality management program Finance International Business and insurance
- Information systems and Decision sciences
- Hospitality

- marketing
- management and Hospitality management
- supply Chain management
- Executive Leadership Honors program
- Twenty-First Century advantage program

The school of Business is accredited by the association of advanced Collegiate schools of Business International.

Existing space in classroom space was determined to be largely adequate for the school of Business; however, there is need for additional space to accommodate additional space needs such as seminar rooms and informal gathering space. All space used by the school of Business needs additional technology and security to protect investments.

SCHOOL OF COMMUNICATIONS

The school of Communications (soC) offers four departments: Radio, Television and Film; Journalism; Communication and Culture; and Communication sciences and Disorders.

soC offers an mFa in Film program; traditional scholarly programs are housed within the Graduate school. soC is accredited by the accrediting Council on Education in Journalism and mass Communications and the American Speech, Language and Hearing association.

The current located in the C.B. Powell Building (formerly Freedman's Hospital) is undesirable due to the physical facility conditions, as well as the building layout. The many wings of the facility result in compartmentalization of the school, thereby limiting collaboration. Three Centers of Excellence are not physically located with the school, which is undesirable.

soC has worked extensively to plan a new facility, which would include state-of-the-art technology, additional production studios and screening rooms, an auditorium, and opportunities for partnership with external groups.

COLLEGE OF MEDICINE (HuCm)

The College of medicine was founded in 1868, and has a long history of providing excellent research and training programs, preparing students to deliver patient care in communities that have a shortage of physicians and public health professionals.

HuCm is part of the Howard University Health Sciences Center, which includes the Howard University Hospital (HuH); the College of Dentistry; the College of pharmacy, nursing and allied Health sciences; the Louis Stokes Health Sciences Library; and the Student Health Center. HuCm offers an MD degree, as well as a master of public Health. Additionally, HuCm students may earn dual degrees with the Graduate school (MD/PhD) and the College of Arts & Sciences (BS/MD).

The College includes the following departments:

- Basic sciences
- anatomy
- Biochemistry and molecular Biology
- microbiology
- pathology
- pharmacology
- physiology and Biophysics

- Research Centers and Institutes
- Cancer Center
- Center for Infectious Diseases management and Research
- Center for sickle Cell Disease
- Collaborative alcohol Research Center
- General Clinical Research Center
- Laboratory of Evolutionary Biology
- national Human Genome Center
- national minority aIDs Education Training Center
- Research Centers in minority Institutions
- specialized neuroscience Research program
- Women’s Health Institute
- Clinical science
- anesthesiology
- Cardiology
- Community and Family medicine
- Dermatology
- Emergency medicine
- medicine, Internal
- neurology
- neurosurgery
- obstetrics and Gynecology
- ophthalmology
- orthopedic surgery
- pathology
- pediatrics and Child Health
- physical medicine and Rehabilitation
- psychiatry and Behavioral sciences
- Radiation oncology
- Radiology/Imaging services
- surgery

The College of medicine is accredited by the Liaison Committee on medical Education Representing the american medical association and the association of american medical Colleges.

The key issue impacting HuCm is the condition of the existing facilities. The three buildings - Cancer Center, numa adams Building and seeley G. mudd- are all over 50 years old and do not include appropriate space for modern teaching and learning techniques. specific problems cited include need for small group meeting spaces, improvements to lecture hall technology, need for state- ofthe art laboratory spaces, and additional office space to accommodate growth. additionally, the existing building configuration does not encourage collaboration between scientists.

COLLEGE OF DENTISTRY

Established in 1881, the College of Dentistry is the fifth oldest dental school in the united states. The College includes the following departments:

- Clinical Dentistry
- Restorative services
- preventive services
- Diagnostic services Endontics
- oral and maxillofacial surgery

- pediatric Dentistry
- orthodontics

Degrees offered include the Doctorate of Dental science (DDs) as well as postdoctoral programs in oral and maxillofacial surgery, orthodontics, pediatric Density, advanced Education in General Dentistry, and General practice Residency.

The College of Dentistry is accredited by the Commission on Dental accreditation of the american Dental association.

The College of Dentistry noted the need for increased technology in teaching spaces and the old medical Library facility. some research space is provided in the the building.

COLLEGE OF PHARMACY, NURSING, AND ALLIED HEALTH SCIENCES (CpnaHs)

The College is divided into the school of pharmacy, the Division of nursing, and the Division of allied Health sciences.

The school of pharmacy offers the Doctor of pharmacy degree; a distance-learning based, non-traditional Doctor of pharmacy degree program; and ms and PhD degrees in pharmaceutical sciences (pharmaceutics, medicinal Chemistry and pharmacy administration) in conjunction with the Graduate school.

The Division of nursing offers Baccalaureate and master's degrees in nursing, and a post-master's Certificate in nursing (Family nurse practitioner).

The Division of allied Health sciences offers Baccalaureate degrees in Clinical Laboratory science, nutritional sciences, Radiation Therapy and Health management and Certificate in primary Care physician assistant; masters Degrees in occupational Therapy and physical Therapy; and the master's and Doctoral degrees in nutritional sciences in conjunction with the Graduate school.

The College of pharmacy, nursing, and allied Health sciences is accredited by the following agencies:

- accreditation Council for occupational Therapy Education
- accreditation Council for pharmacy Education
- accreditation Review Commission on Education for the physician assistant, Inc.
- american occupational Therapy association, Inc.
- association of university programs in Health administration Commission on accreditation for Dietetics Education
- Commission on accreditation in physical Therapy Education
- Joint Review Committee on Education in Radiologic Technology
- national accrediting agency for Clinical Laboratory sciences
- Commission on Collegiate nursing Education

The College of pharmacy, nursing, and allied Health sciences is located in three separate facilities across Central Campus. The three facilities are annex I, annex II and Chauncey Cooper. annex II was intended to be a temporary facility. These facilities are largely in need of significant upgrades to address deferred maintenance issues. Ideally, all departments within the College would be co-located in a single facility with state-of-the-art laboratory spaces. The existing space occupied by the Department of physical Therapy was noted to have been recently renovated and meeting the departments' needs.

GRADUATE SCHOOL

The Graduate school offers extensive programs in a number of fields, with 18 masters degrees (63 major fields of study), three PhD degrees (29 major fields of study), and as well as the five first professional degree programs.

Graduate programs:

- african studies – ma, PhD
- anatomy – ms, PhD, MD/PhD
- art History – ma
- atmospheric sciences – ms, PhD
- Biochemistry – ms, PhD, MD/PhD
- Biology – ms, PhD, MD/PhD
- Chemical Engineering – ms
- Chemistry – ms, PhD, MD/PhD
- Civil Engineering – ms
- Communication, Culture & Media Studies – PhD
- Communication sciences and Disorders – ms
- Education – ma, ms, PhD
- Economics – ma, PhD
- Electrical Engineering – mEng, PhD
- English – ma, PhD
- Genetics – ms, PhD, MD/PhD
- Health, Human performance and Leisure studies – ms
- History – ma, PhD
- mass Communication and media studies – ma, PhD
- materials science and Engineering – PhD
- mathematics – ms, PhD
- mechanical Engineering – mEng, PhD
- nutritional science – ms, PhD
- pharmacology – ms, PhD, MD/PhD
- pharmaceutical sciences – ms, PhD philosophy – ma
- physics – ms, PhD
- physiology, PhD, MD/PhD
- political science – ma, mapa, PhD
- psychology – ms, PhD
- social Work – msW, PhD
- sociology – ma, PhD
- Computer science – msCs

Certificate programs:

- College and university Faculty preparation
- Computer security
- International studies
- Women's studies

The Graduate school is accredited by the middle states association of Colleges and schools.

The Graduate school is located in annex III. Ideally, the Graduate school would have strong adjacency to the College of arts and sciences and the College of Engineering, architecture, and Computer science, as well as Howard university's professional schools.

HOWARD UNIVERSITY HOSPITAL

Located immediately south of Howard university's academic facilities, the Howard university Hospital (HuH) is a Level one Trauma Center. Its origins in the historic Freedmen's Hospital (now the C.B. powell Building).. HuH has become one of the most comprehensive health care facilities in the Washington, D.C. metropolitan area. In april 2007, HuH ranked number one among selected area hospitals on 19 quality measures published by the u.s. Department of Health and Human services (HHs). HuH is the nation's only teaching hospital located on the Campus of an HBCu.

HuH operations are integrated with the academics of the university, particularly those of the schools and colleges focused on health sciences. The hospital offers students a superior learning environment and opportunities to observe or participate in ground-breaking clinical and research work approximately 300-350 beds for targeted patient types, such as hypertension, certain types of cancer, organ transplantation (kidneys), orthopedic surgery, and podiatry are provided.

HuH operations are integrated with the academics of the university, particularly those of the schools and colleges focused on health sciences. The hospital offers students a superior learning environment and opportunities to observe or participate in ground-breaking clinical and research work with professionals who are changing the face of health care.

Howard university Hospital facilities include:

- main hospital building
- Tower building
- Cancer Center (shared with the university)
- medical arts Building (shared with the university)
- mental Health Clinic
- Two parking structures along Fifth street nW, which are operated by a separate management company

This Campus master plan did not include a full analysis of the Hospital's programmatic needs. This must take place within the context of a separate specialized master plan for the hospital. The Health science Enterprise is conducting a strategic planning exercise that will form the basis for such a plan.

During the course of interviews, some of the suggestions noted for HuH included the following:

- approximately 300-350 beds for targeted patient types, such as hypertension, certain types of cancer, organ transplantation (kidneys), orthopedic surgery, and podiatry with a training program.
- Comprehensive approach to deferred maintenance liabilities.

LIBRARIES

The Howard university library system is comprised of a number of general and specialty libraries across the three Campuses. The central library complex is located at the south end of the yard and includes Founders Library and the attached undergraduate Library. Branch libraries include the architecture Library (Howard mackey Building), the Business Library (Classroom Building Four/school of Business), and the social Work Library (Inabel Burns Lindsay Hall). The Louis stokes Health sciences Library is located at the southern end of Central Campus and serves the Health sciences complex.

a small library is located at the school of Divinity's East Campus location, and the Law Library is located on the West Campus.

The university is considering closing the social Work Library and the architecture Library because these facilities are too small to be sustainable, have duplicate materials, and are costly to operate. Collections would be moved to the central library Campus (Founders/undergraduate Library).

special collections space includes:

- moorland-spingarn Research Center – The moorlandspingarn Research Center is one of the world's largest and most comprehensive repositories for the documentation of the history and culture of people of african descent in africa, the americas, and other parts of the world. This center is located within Founders Library.
- Channing pollock Theatre Collection – The Channing pollock Collection contains the playwright's published works, manuscripts, and personal correspondence with celebrities of his day; as well as clippings, photographs, programs, broadsides, and sheet music representing different phases of the theatrical and entertainment world. This collection is located in Founders Library.
- afro-american studies Resource Center – The Center houses one of the premier collections of literary and social science publications on the black experience in america. This collection is located in Founders Library.
- Ralph J. Bunche International affairs Center Reading Room – This is a collection of about 1,000 books and current periodicals on various subjects in international affairs, including foreign policy, international law, diplomacy, politics, international trade, conflict resolution, economic development, strategic studies, military affairs, and international organizations. This collection is located at the Bunche Center.

Founders Library was opened in 1938 (designed by albert Irvin Cassell) and is home to the following uses:

- Browsing room
- moorland-spingarn Research Center
- afro-american Resource Center
- Digital Learning Classroom
- Channing pollock Theater Collection
- Howard university museum
- Reference Room
- Interlibrary Loan services
- stacks

The undergraduate Library was opened in 1983 and is contiguous with Founders Library. This building houses study space, as well as stacks/collections storage.

The Howard university Library system has more than 2.5 million volumes; 16,600 current journal subscriptions; 4.2 million microform pieces; 18,000 manuscripts; and thousands of audio-visual items.

With the exception of the collections listed on the previous page, the university's libraries do not house any special collections and do not have special temperature and humidity requirements. The most valuable collections are stored off-site in remote storage.

The university is a member of the association of Research Libraries and the Chesapeake Information and Research Library alliance (CIRLa). CIRLa offers faculty and graduate students direct reciprocal borrowing privileges at member libraries, which include George Washington, Georgetown, university of maryland, Johns Hopkins, and the university of Delaware.

SPIRITUAL LIFE

The andrew Rankin memorial Chapel serves as a center for cultural and religious activities of the university, and is dedicated to fulfilling the spiritual and religious needs of the students, faculty and administration. Besides traditional sunday services which are broadcast on WHuR, the Chapel also hosts on-Campus events and serves as a quasi-student affairs group (i.e., hosting alternative spring break to new orleans).

Built during the presidency of Jeremiah Rankin (1890- 1903), Andrew Rankin Memorial Chapel was constructed in 1894-95 and was dedicated in 1896. Designated as a national Historic Landmark, Rankin Chapel has been served by four deans. Additionally, chaplains from a variety of denominations and ministries, the Friends of Chapel, the Chapel assistants, the Chapel ushers, and the Chapel Choir all support the ministry of Rankin Chapel. The Chapel Choir, which is noted for its excellence and inspiring music, is composed of members of the various university choirs, the alumni, and individuals from the wider community.

Andrew Rankin Memorial Chapel is 90 feet long and 50 feet wide, not including the tower. The Chapel has two floors: the first story was once used as the Howard University Art Gallery and was remodeled in 1948 into a Religious Activities Center; the auditorium, on the upper floor, is the sanctuary.

The Chapel holds about 500-600 people, but chapel services are nearly triple that at times, and nearly always double. These services are currently held in Cramton Auditorium. Additional Dean of the Chapel space (offices/administration) is located next to the Chapel in the Carnegie Building. Other events held in the chapel include weddings, funerals, and some revenue-generating functions. There are also regular programs by both the Dean of the Chapel's office and student organizations.

The Rankin Chapel is identified as a national chapel, but it does not have the space required to serve this function.

Degrees

College of Arts & Sciences

African Studies

African Studies (B.A.)

The Department of African Studies (DAS) provides an opportunity for Howard students to acquire an objective view of the present position of Africa in the modern (and changing) world, as well as an understanding of Africa's economic, social, and political problems. The department has adopted an interdisciplinary approach to the study of Africa at both the undergraduate and graduate levels. At the undergraduate level, the department educates students who wish to continue their studies in African affairs or are preparing to work in this field.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Mathematics Elec (Options: Courses under code MATH)	3
AFST 101	Introduction to Contemporary Africa	3
AFST 111	African Systems of Thought	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Freshman Year Second Semester

Item #	Title	Credits
AFST 106	Social Media and the African World	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
AFST 105	African Languages and Cultures	3
AFST 123	Women in African Civilizations and Traditions	3
AFST 156	Introduction to African Literature	3
AFST 124	Globalization in Africa	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	English Writing Course	3
AFST 102	Science, Technology, and African Development	3
AFST 157	Literature, Film and Society in Africa	3
AFST 121	Environment and Society in Africa	3

Junior Year First Semester

Item #	Title	Credits
AFST 110	African Development and Underdevelopment	3
	History Elective* (Options: Courses in code HIST)	3
	Classics Elective (Options: see Elective Group List)	3
	Mathematics Elective (Options: Courses under code MATH)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
AFST 125	China and Africa	3
AFST 126	AIDS in Africa and the African Diaspora	3
	Political Science Elective (Options: Courses in code POLS)	3
	Health Sciences Elective (Options: Courses in code HLMN)	1
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
AFST 183	Internship in African Studies	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Senior Year Second Semester

Item #	Title	Credits
AFST 182	Seminar in Regional Studies	3
AFST 191	Senior Colloquium	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
SLMC 101	Principles of Speech.	3
	Total credits:	115

Undergraduate Curriculum Guide for the African Studies Major (B.A.)

The Department of African Studies (DAS) provides an opportunity for Howard students to acquire an objective view of the present position of Africa in the modern (and changing) world, as well as an understanding of Africa's economic, social, and political problems. The department has adopted an interdisciplinary approach to the study of Africa at both the undergraduate and graduate levels. At the undergraduate level, the department educates students who wish to continue their studies in African affairs or are preparing to work in this field.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Mathematics Elec (Options: Courses under code MATH)	3
AFST 101	Introduction to Contemporary Africa	3
AFST 111	African Systems of Thought	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
AFST 106	Social Media and the African World	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
AFST 105	African Languages and Cultures	3
AFST 123	Women in African Civilizations and Traditions	3
AFST 156	Introduction to African Literature	3
AFST 124	Globalization in Africa	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	English Writing Course	3
AFST 102	Science, Technology, and African Development	3
AFST 157	Literature, Film and Society in Africa	3
AFST 121	Environment and Society in Africa	3

Junior Year First Semester

Item #	Title	Credits
AFST 110	African Development and Underdevelopment	3
	History Elective* (Options: Courses in code HIST)	3
	Classics Elective (Options: see Elective Group List)	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
AFST 125	China and Africa	3
AFST 126	AIDS in Africa and the African Diaspora	3
	Political Science (Options: Courses in code POLS)	3
	Health Sciences Elective (Options: Courses in code HLMN)	1
	Minor Concentration (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
AFST 183	Internship in African Studies	3
	Minor Concentration (Options: To be determined in consultation with advisor)	3
	Minor Concentration (Options: To be determined in consultation with advisor)	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Senior Year Second Semester

Item #	Title	Credits
AFST 182	Seminar in Regional Studies	3
AFST 191	Senior Colloquium	3
	Minor Concentration (Options: To be determined in consultation with advisor)	3
	Minor Concentration (Options: To be determined in consultation with advisor)	3
SLMC 101	Principles of Speech.	3
	Total credits:	103

Afro-American Studies

Afro-American Studies (B.A)

A major in Afro-American studies prepares students to understand the context and dynamics of the African American experience, past and present, gives you an introduction to the methods of the social sciences in a comparative, interdisciplinary context, and develops your abilities for graduate studies. You can choose from three areas of concentration. The political concentration includes an overview of the institution of human bondage, black political thought and activism in nineteenth-and twentieth-century America, and the political economies of contemporary Afro-Caribbean societies. A sociological concentration is based on the voluntary associations. The cultural concentration highlights the black experience in literature and popular culture.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Mathematics Elec (Options: Courses under code MATH)	3
AFRO 005	Introduction to Africana Studies I	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
AFRO 006	Introduction to Africana Studies II	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Foreign Lang/Humanities Elect.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
	AFRO Course (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	English Writing Course	3
	AFRO Course (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
PHIL 055	Introduction to Philosophy	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Junior Year First Semester

Item #	Title	Credits
	AFRO Course (Options: see Elective Group Descriptions)	3
	AFRO Course (Options: see Elective Group Descriptions)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
	AFRO Course (Options: see Elective Group Descriptions)	3
	AFRO Course (Options: see Elective Group Descriptions)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Afro-American Cluster (Options: see Elective Group Descriptions African-American Studies)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Senior Year Second Semester

Item #	Title	Credits
	Practicum or Fieldwork	3-6
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	119-122

Undergraduate Curriculum Guide for the Afro-American Studies Major(B.A.)

A major in Afro-American studies prepares students to understand the context and dynamics of the African American experience, past and present, gives you an introduction to the methods of the social sciences in a comparative, interdisciplinary context, and develops your abilities for graduate studies. You can choose from three areas of concentration. The political concentration includes an overview of the institution of human bondage, black political thought and activism in nineteenth-and twentieth-century America, and the political economies of contemporary Afro-Caribbean societies. A sociological concentration is based on the voluntary associations. The cultural concentration highlights the black experience in literature and popular culture.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Mathematics Elec (Options: Courses under code MATH)	3
AFRO 005	Introduction to Africana Studies I	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
AFRO 006	Introduction to Africana Studies II	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
	AFRO Course (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	English Writing Course	3
	AFRO Course (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Philosophy	3
	Humanities Course	3

Junior Year First Semester

Item #	Title	Credits
	AFRO Course (Options: see Elective Group Descriptions)	3
	AFRO Course (Options: see Elective Group Descriptions)	3
	Minor Concentration (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Humanities Course	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
	AFRO Course (Options: see Elective Group Descriptions)	3
	AFRO Course (Options: see Elective Group Descriptions)	3
	Minor Concentration (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Afro-American Cluster (Options: see Elective Group Descriptions African-American Studies)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Minor Concentration (Options: To be determined in consultation with advisor)	3
	Minor Concentration (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Senior Year Second Semester

Item #	Title	Credits
AFRO 176	Practicum/Internship in Afro American Studies	6
	Minor Concentration (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	113

Art History

Art History (B.A.)

In addition to providing students with a broad understanding of world art, the Art History program focuses on African American art and the art of the African Diaspora. In beginning and advanced courses and seminars, students are encouraged to engage in scholarly investigation and analysis of visual styles, cultural movements, and social evidence in the history of art, especially original scholarship in African American and African Art History. The program's strong research focus provides a virtual road map for students who wish to pursue careers as art historians in academia or in museums as curators and educators.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
ARTP 050	Basic Black &White Photography	3
ARTH 165	Introduction to Art History	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
HIST 005	Introduction to the Black Diaspora I	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
ARTP 050	Basic Black &White Photography	3
ARTH 165	Introduction to Art History	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
HIST 005	Introduction to the Black Diaspora I	3

Sophomore Year First Semester

Item #	Title	Credits
ARTP 031	Printmaking I	3
ARTH 181	Research in Art History I	3
ARTH 188	Survey of African Art	3
ARTH 178	African-American Art I	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTE 080	Computers in the Arts	3
ARTH 172	West African Art	3
ARTH 179	African-American Art II	3
	Art Elective* (Options: See Elective Group List)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MUSC 100	Introduction to Music	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Art History Elective (Options: Courses under code ARTH)	3
	Art History Elective (Options: Courses under code ARTH)	3
ARTH 170	Modern Art History I	3

Junior Year Second Semester

Item #	Title	Credits
	Theatre Electives	3
	Art History Elective (Options: Courses under code ARTH)	3
ARTH 189	Trends, Directions, Ideas in African American Art	3
ARTH 171	Modern Art History II	3
	Art History Elective (Options: Courses under code ARTH)	3

Senior Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
	Univ. Elective or Art History Elective	3
	Art History Elective (Options: Courses under code ARTH)	3
	Internship	3-6

Senior Year Second Semester

Item #	Title	Credits
	Art History Seminar	3-6
	Fine Arts Elective	3
	University Elective	3
	Art History Elective (Options: Courses under code ARTH)	3
	Total credits:	120-126

Undergraduate Curriculum Guide for the Art History Major (B.A.)

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTH 164	Survey of Visual Art	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
ARTP 050	Basic Black & White Photography	3
ARTH 165	Introduction to Art History	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
HIST 005	Introduction to the Black Diaspora I	3

Sophomore Year First Semester

Item #	Title	Credits
ARTP 031	Printmaking I	3
ARTH 181	Research in Art History I	3
ARTH 188	Survey of African Art	3
ARTH 178	African-American Art I	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	Computer in the Arts	3
ARTH 172	West African Art	3
ARTH 179	African-American Art II	3
	Art Elective* (Options: See Elective Group List)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
	Intro to Music or Theater	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Art History Elective (Options: Courses under code ARTH)	3
	Art History Elective (Options: Courses under code ARTH)	3
ARTH 170	Modern Art History I	3

Junior Year Second Semester

Item #	Title	Credits
	Intro to Music or Theater	3
	Art History Elective (Options: Courses under code ARTH)	3
ARTH 189	Trends, Directions, Ideas in African American Art	3
ARTH 171	Modern Art History II	3
	Art History Elective (Options: Courses under code ARTH)	3

Senior Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
	Univ. Elective or Art History Elective	3
	Art History Elective (Options: Courses under code ARTH)	3
ARTH 168	Internship in Art History	3

Senior Year Second Semester

Item #	Title	Credits
	Art History Seminar	3-6
	Fine Arts Elective	3
	University Elective	3
	Art History Elective (Options: Courses under code ARTH)	3
	Total credits:	121-124

Ceramics

Art - Ceramics Concentration (B.F.A.)

The Ceramics Program provides students with a technical foundation in basic hand and wheel formation, glaze calculation, clay formulation, and a range of finishing and firing techniques. Advanced students are encouraged to explore the full range of possibilities in clay. The ceramics unit is designed to train students to become the traditional production potter; the ceramic sculptor and the visionary artists who want to combine and experiment with state of the arts ceramic materials and technology to create their visual voice

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
MUTP 100	Blacks in the Arts	3
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
ENGL 003	Freshman Composition	3
ARTP 050	Basic Black & White Photography	3

Sophomore Year First Semester

Item #	Title	Credits
ARTF 121	Ceramics I	3
ARTF 033	Drawing III	3
	Art Elective* (Options: See Elective Group List)	3
ARTF 114	Computer in the Arts	3
ARTF 011	Painting I	3
	Liberal Arts	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTF 122	Ceramics II	3
ARTF 031	Printmaking I	3
ARTF 004	Drawing IV	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Art Elective* (Options: See Elective Group List)	3

Junior Year First Semester

Item #	Title	Credits
ARTF 123	Ceramics III	3
ARTF 125	Ceramics V	3
ARTF 141	Sculpture I	3
ARTH 178	African-American Art I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
ARTF 124	Ceramics IV	3
ARTF 126	Ceramics VI	3
ARTF 138	Ceramics Sculpture	3
	Studio Elective	3
ARTH 179	African-American Art II	3

Senior Year First Semester

Item #	Title	Credits
ARTF 129	Ceramics IX	3
ARTF 128	Ceramics VIII	3
	Studio Elective	3
	Art Elective* (Options: See Elective Group List)	3
SLMC 101	Principles of Speech.	3

Senior Year Second Semester

Item #	Title	Credits
ARTF 130	Ceramics X	3
ARTF 137	Ceramics Sculpture Workshop	3
	Art Elective* (Options: See Elective Group List)	3
	University Elective	3
	Total credits:	130

Undergraduate Curriculum Guide for B.F.A in Art - Ceramics Concentration

The Ceramics Program provides students with a technical foundation in basic hand and wheel formation, glaze calculation, clay formulation, and a range of finishing and firing techniques. Advanced students are encouraged to explore the full range of possibilities in clay. The ceramics unit is designed to train students to become the traditional production potter; the ceramic sculptor and the visionary artists who want to combine and experiment with state of the arts ceramic materials and technology to create their visual voice

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
MUTP 100	Blacks in the Arts	3
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
ENGL 003	Freshman Composition	3
ARTP 050	Basic Black & White Photography	3

Sophomore Year First Semester

Item #	Title	Credits
ARTF 121	Ceramics I	3
ARTF 033	Drawing III	3
	Art Elective* (Options: See Elective Group List)	3
ARTF 114	Computer in the Arts	3
ARTF 011	Painting I	3
	Liberal Arts	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTF 122	Ceramics II	3
ARTF 031	Printmaking I	3
ARTF 004	Drawing IV	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Art Elective* (Options: See Elective Group List)	3

Junior Year First Semester

Item #	Title	Credits
ARTF 123	Ceramics III	3
ARTF 125	Ceramics V	3
ARTF 141	Sculpture I	3
ARTH 178	African-American Art I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
ARTF 124	Ceramics IV	3
ARTF 126	Ceramics VI	3
ARTF 138	Ceramics Sculpture	3
	Studio Elective	3
ARTH 179	African-American Art II	3

Senior Year First Semester

Item #	Title	Credits
ARTF 129	Ceramics IX	3
ARTF 128	Ceramics VIII	3
	Studio Elective	3
	Art Elective* (Options: See Elective Group List)	3
	Speech	3

Senior Year Second Semester

Item #	Title	Credits
ARTF 130	Ceramics X	3
ARTF 137	Ceramics Sculpture Workshop	3
	Art Elective* (Options: See Elective Group List)	3
	University Elective	3
	Total credits:	130

Design

Art - Design Concentration (B.F.A)

The goal of the Howard University Design Program is to develop an immense range of knowledge, skills and competencies in the area of visual communication through cross-curricular experiences. This is achieved through the study of theory and the practical application of learned techniques. This program reacquaints the student artist with foundation principles that are central to design. Through an intensive curriculum in visual and technologically-mediated communication students will learn how to identify, research, analyze, and solve problems at various levels, providing multiple solutions, mechanicals and prototypes. Students will also develop the ability to produce the following visual forms as solutions to studio and related real life problems: • two-dimensional • three-dimensional • printed • digital • motion • interactive Ideally, this program will cultivate competency in problem solving abilities, proficiency in conceptual skills and mastery of craftsmanship within each graduate.

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3

Sophomore Year First Semester

Item #	Title	Credits
ARTD 108	Typography II	3
ARTR 003	Drawing III (Figure)	3
ARTP 050	Basic Black & White Photography	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Art Elective* (Options: See Elective Group List)	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTD 109	Reproduction and Techniques	3
ARTP 051	Intermediate Photography	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
ARTR 004	Drawing IV (Spatial Concepts)	3
ARTD 104	History of Design II	3

Junior Year First Semester

Item #	Title	Credits
ARTD 106	Design for Advertising I	3
ARTD 109	Reproduction and Techniques	3
ARTD 115	Digital Design I	3
ARTH 178	African-American Art I	3
ARTE 080	Computers in the Arts	3
ARTD 119	Internships	3-6

Junior Year Second Semester

Item #	Title	Credits
ARTD 107	Design for Advertising II	3
ARTD 114	Illustration	3
ARTD 122	Digital Design II	3
ARTH 179	African-American Art II	3
	University Elective	3

Senior Year First Semester

Item #	Title	Credits
ARTD 118	Magazine and Newspaper Design I	3
ARTD 110	Studio Problems in Design	3
	Web. Dev. & Interactive Media	3
ARTD 112	Production and Portfolio Techniques I	3

Senior Year Second Semester

Item #	Title	Credits
ARTD 123	Magazine and Newspaper Design II	3
	Digital Asset Management	3
	Art History Elective (Options: Courses under code ARTH)	3
ARTD 113	Production and Portfolio Techniques II	3
	Creative Business: Industry Prep. and Entrepreneurship	3
	Total credits:	123-126

Undergraduate Curriculum Guide for B.F.A in Art - Design Concentration

The goal of the Howard University Design Program is to develop an immense range of knowledge, skills and competencies in the area of visual communication through cross-curricular experiences. This is achieved through the study of theory and the practical application of learned techniques. This program reacquaints the

student artist with foundation principles that are central to design. Through an intensive curriculum in visual and technologically-mediated communication students will learn how to identify, research, analyze, and solve problems at various levels, providing multiple solutions, mechanicals and prototypes. Students will also develop the ability to produce the following visual forms as solutions to studio and related real life problems: • two-dimensional • three-dimensional • printed • digital • motion • interactive Ideally, this program will cultivate competency in problem solving abilities, proficiency in conceptual skills and mastery of craftsmanship within each graduate.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3

Sophomore Year First Semester

Item #	Title	Credits
ARTD 108	Typography II	3
ARTR 003	Drawing III (Figure)	3
ARTP 050	Basic Black & White Photography	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Art Elective* (Options: See Elective Group List)	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTD 109	Reproduction and Techniques	3
	Intermediate Photography	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
ARTR 004	Drawing IV (Spatial Concepts)	3
	Intro to Digital Design	3

Junior Year First Semester

Item #	Title	Credits
ARTD 106	Design for Advertising I	3
ARTD 109	Reproduction and Techniques	3
	Digital Design I	3
ARTH 178	African-American Art I	3
	Digital Imaging for Photographers	3
	Design Internship	3-6

Junior Year Second Semester

Item #	Title	Credits
ARTD 107	Design for Advertising II	3
ARTD 114	Illustration	3
	Digital Design II	3
ARTH 179	African-American Art II	3
	University Elective	3

Senior Year First Semester

Item #	Title	Credits
	Magazine & Newspaper Design I	3
ARTD 110	Studio Problems in Design	3
	Web. Dev. & Interactive Media	3
ARTD 112	Production and Portfolio Techniques I	3

Senior Year Second Semester

Item #	Title	Credits
	Magazine & Newspaper Design II	3
	Digital Asset Management	3
	Art History Elective (Options: Courses under code ARTH)	3
ARTD 113	Production and Portfolio Techniques II	3
	Creative Business: Industry Prep. and Entrepreneurship	3
	Total credits:	123-126

Undergraduate Curriculum Guide for the B.F.A in Art-Fashion Design Concentration

The BFA in Design with a concentration in Fashion Design provides students with an overview of the fashion industry and the role of the consumer, with emphasis on product development. Students will explore fashion design in conjunction with the critical elements of design, forecasting, production, evaluation, branding, and sustainability of textiles, clothing, accessories, and home furnishings that globally bind consumers to products.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
FASD 100	Freshman Design Seminar	1
ARTD 103	History of Design I	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
ARTD 104	History of Design II	3

Sophomore Year First Semester

Item #	Title	Credits
	Fashion Studio I –Begin. Constr.	3
	Intro to the Fashion Industry	3
	Textile Science w/ lab	3
	Fashion Illustration	3
	Sustainability	3
MATH 006	College Algebra I	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTD 104	History of Design II	3
	Fashion Studio II	3
	Fashion Illustration II	3
	Consumer Behavior	3
	Fashion Trend Analysis	3

Junior Year First Semester

Item #	Title	Credits
	Digital Photography (Options: Courses under code ARTP)	3
HHPL 102	Human Anatomy (Majors only)	3
	Fashion Studio III	3
	History of Costume	3
	Sociology/Psychology	3

Junior Year Second Semester

Item #	Title	Credits
ANTH 110	Introduction to Cultural Anthropology	3
	Fashion Studio IV	3
	Practicum or Fieldwork	3-6
	History of Costume II	3

Senior Year First Semester

Item #	Title	Credits
ARTD 112	Production and Portfolio Techniques I	3
	African American Dress	3
	Fashion Studio IV	3
	Elective	3

Senior Year Second Semester

Item #	Title	Credits
	Senior Capstone	3
	International Trade/Sourcing	3
	Fashion Brand Identity	3
	Total credits:	115-118

Electronic Studio Art

Art - Electronic Studio Concentration (B.F.A.)

The Electronic Studio program is designed for students preparing for careers as web designers, two- and three-dimensional animators, special effect artists for TV and Film, product design, and motion graphics. The curriculum combines the fundamentals of visual arts: drawing, painting, illustration, and two-dimensional and three-dimensional design. Photography and video, with intensive applied computer technology and software techniques as applied to visual communications and design. Course work is designed to incorporate prerequisite visual arts courses to prepare students to be competitive in the visual arts and computer-aided art and design fields.

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
ARTE 080	Computers in the Arts	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTE 081	Desktop Publishing	3
ARTH 165	Introduction to Art History	3

Sophomore Year First Semester

Item #	Title	Credits
ARTR 003	Drawing III (Figure)	3
MUTP 100	Blacks in the Arts	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
ARTX 161	Experimental Studio I	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTE 083	2D Animation I	3
ARTP 050	Basic Black & White Photography	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
ARTR 004	Drawing IV (Spatial Concepts)	3
	Graphic Design Elective	3
	Studio Elective	3

Junior Year First Semester

Item #	Title	Credits
ARTE 086	Multi-Media I	3
ARTE 084	Image Processing	3
ARTH 178	African-American Art I	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
ARTE 087	Multi-Media II	3
ARTE 085	Digital Photography	3
ARTH 179	African-American Art II	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Art Elective* (Options: See Elective Group List)	3

Senior Year First Semester

Item #	Title	Credits
ARTE 088	Workshop in Computer Graphics	3
ARTE 091	Independent Study I	3
	Studio Elective	3
SLMC 101	Principles of Speech.	3
	University Elective	3

Senior Year Second Semester

Item #	Title	Credits
ARTE 093	Internship	3-6
ARTE 092	Independent Study II	3
	University Elective	3
	Art Elective* (Options: See Elective Group List)	3
	Total credits:	127-130

Undergraduate Curriculum Guide for the B.F.A in Art - Electronic Studio Concentration

The Electronic Studio program is designed for students preparing for careers as web designers, two- and three-dimensional animators, special effect artists for TV and Film, product design, and motion graphics. The curriculum combines the fundamentals of visual arts: drawing, painting, illustration, and two-dimensional and three-dimensional design. Photography and video, with intensive applied computer technology and software techniques as applied to visual communications and design. Course work is designed to incorporate prerequisite visual arts courses to prepare students to be competitive in the visual arts and computer-aided art and design fields.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
	Survey of World Art	3
	Computer in the Arts	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTE 081	Desktop Publishing	3
	Survey of World Art II	3

Sophomore Year First Semester

Item #	Title	Credits
ARTE 081	Desktop Publishing	3
ARTR 003	Drawing III (Figure)	3
MUTP 100	Blacks in the Arts	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
ARTX 161	Experimental Studio I	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTE 083	2D Animation I	3
ARTP 050	Basic Black & White Photography	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
ARTR 004	Drawing IV (Spatial Concepts)	3
	Graphic Design Elective	3
	Studio Elective	3

Junior Year First Semester

Item #	Title	Credits
ARTE 086	Multi-Media I	3
ARTE 084	Image Processing	3
ARTH 178	African-American Art I	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
ARTE 087	Multi-Media II	3
	Digital Photography (Options: Courses under code ARTP)	3
ARTH 179	African-American Art II	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Art Elective* (Options: See Elective Group List)	3

Senior Year First Semester

Item #	Title	Credits
ARTE 088	Workshop in Computer Graphics	3
ARTE 091	Independent Study I	3
	Studio Elective	3
	Speech	3
	University Elective	3

Senior Year Second Semester

Item #	Title	Credits
ARTE 093	Internship	3-6
ARTE 092	Independent Study II	3
	University Elective	3
	Art Elective* (Options: See Elective Group List)	3
	Total credits:	130-133

Fashion

Art-Fashion Design Concentration (B.F.A.)

The BFA in Design with a concentration in Fashion Design provides students with an overview of the fashion industry and the role of the consumer, with emphasis on product development. Students will explore fashion design in conjunction with the critical elements of design, forecasting, production, evaluation, branding, and sustainability of textiles, clothing, accessories, and home furnishings that globally bind consumers to products.

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
FASD 100	Freshman Design Seminar	1
ARTD 103	History of Design I	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
	Graphic Design Elective	3

Sophomore Year First Semester

Item #	Title	Credits
FASH 009	Fashion Studio I	3
FASH 004	Introduction to the Fashion Industry	3
FASH 124	Textiles	3
FASH 163	Fashion Illustration I	3
FASH 196	Sustainability in the Fashion Industry	3
MATH 006	College Algebra I	3

Sophomore Year Second Semester

Item #	Title	Credits
	Digital Design II	3
FASH 162	Fashion Studio II	3
FASH 164	Fashion Illustration II	3
FASH 187	Clothing and Human Behavior	3
FASH 174	Fashion Industry II	3

Junior Year First Semester

Item #	Title	Credits
ARTE 085	Digital Photography	3
HHPL 102	Human Anatomy (Majors only)	3
FASH 172	Fashion Studio III	3
FASH 186	Clothing in History	3
	PSYC 050 or SOCI 020	3

Junior Year Second Semester

Item #	Title	Credits
ANTH 110	Introduction to Cultural Anthropology	3
FASH 183	Fashion Studio IV: Autocad for the Apparel Industry	3
FASH 168	Practicum in Fashion Retailing	3
FASH 188	Current Clothing Topics	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
ARTD 112	Production and Portfolio Techniques I	3
FASH 102	African American Dress	3
FASH 183	Fashion Studio IV: Autocad for the Apparel Industry	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year Second Semester

Item #	Title	Credits
	Senior Capstone	3
FASH 198	Study Travel Tour	3
	Fashion Brand Identity	3
	Total credits:	121

Interior Design

Art - Interior Design Concentration (B.F.A.)

The Interior Design program focuses on the function and quality of interior environments by considering aesthetic, technical, social and cultural aspects of the built environment. It emphasizes the development of the student's ability to handle design concepts, space analysis and planning and knowledge of materials,

furnishings and construction in order to produce interiors for residential, commercial and special uses. The program prepares the student for further study in interior design and equips them with the skills and knowledge to serve as corporate design team members.

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
	Freshman Composition	3

Freshman Year Second Semester

Item #	Title	Credits
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
	Freshman Composition	3

Sophomore Year First Semester

Item #	Title	Credits
INTD 098	Environmental Factors of Interior Design	3
INTD 100	Fundamental Drafting of Interiors	4
INTD 103	Contemporary Interiors and Furnishings	3
	Graphic Design Elective	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
INTD 104	Construction of Interior Spaces	3
INTD 106	CAD for Interiors I	3
ARTD 115	Digital Design I	3
MATH 006	College Algebra I	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Junior Year First Semester

Item #	Title	Credits
INTD 111	Residential Interior Design	3
INTD 113	Office Interior Design	4
INTD 116	Lighting of Interior Spaces	3
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year Second Semester

Item #	Title	Credits
MATH 010	College Algebra II	4
INTD 117	Office Interior Design	4
INTD 118	Commercial Interior Design I	4
INTD 115	Practicum in Interior Design	3

Senior Year First Semester

Item #	Title	Credits
INTD 169	Interior Design Fieldwork	6
ANTH 110	Introduction to Cultural Anthropology	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Senior Year Second Semester

Item #	Title	Credits
INTD 114	Business Aspects of Interior Design	3
ARTH 178	African-American Art I	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	122

Undergraduate Curriculum Guide for the B.F.A in Art - Interior Design Concentration

The Interior Design program focuses on the function and quality of interior environments by considering aesthetic, technical, social and cultural aspects of the built environment. It emphasizes the development of the student's ability to handle design concepts, space analysis and planning and knowledge of materials, furnishings and construction in order to produce interiors for residential, commercial and special uses. The program prepares the student for further study in interior design and equips them with the skills and knowledge to serve as corporate design team members.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
ENGL 002	Freshman Composition	3

Freshman Year Second Semester

Item #	Title	Credits
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
ENGL 003	Freshman Composition	3

Sophomore Year First Semester

Item #	Title	Credits
INTD 098	Environmental Factors of Interior Design	3
INTD 100	Fundamental Drafting of Interiors	4
INTD 103	Contemporary Interiors and Furnishings	3
ARTD 104	History of Design II	3

Sophomore Year Second Semester

Item #	Title	Credits
INTD 104	Construction of Interior Spaces	3
INTD 106	CAD for Interiors I	3
ARTD 115	Digital Design I	3
MATH 006	College Algebra I	3

Junior Year First Semester

Item #	Title	Credits
INTD 111	Residential Interior Design	3
INTD 113	Office Interior Design	4
INTD 116	Lighting of Interior Spaces	3

Junior Year Second Semester

Item #	Title	Credits
MATH 010	College Algebra II	4
INTD 117	Office Interior Design	4
INTD 118	Commercial Interior Design I	4
INTD 115	Practicum in Interior Design	3

Senior Year First Semester

Item #	Title	Credits
INTD 169	Interior Design Fieldwork	6
ANTH 110	Introduction to Cultural Anthropology	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3

Senior Year Second Semester

Item #	Title	Credits
INTD 114	Business Aspects of Interior Design	3
ARTH 178	African-American Art I	3
Total credits:		98

Painting

Art - Painting Concentration (B.F.A.)

The Painting program is designed to introduce students to traditional and contemporary painting techniques with an emphasis on the control of paint and the painted form. In the intermediate and advanced level courses, students are encouraged to experiment with various media and thematic approaches.

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
MUTP 100	Blacks in the Arts	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
ARTP 050	Basic Black & White Photography	3

Sophomore Year First Semester

Item #	Title	Credits
ARTA 011	Painting I	3
ARTR 003	Drawing III (Figure)	3
ARTE 080	Computers in the Arts	3
	Art Elective* (Options: See Elective Group List)	3
ARTP 031	Printmaking I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTA 012	Painting II	3
ARTA 014	Watercolor Painting I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
ARTR 004	Drawing IV (Spatial Concepts)	3

Junior Year First Semester

Item #	Title	Credits
	Painting V	3
ARTH 178	African-American Art I	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Studio Elective	3
ARTP 050	Basic Black & White Photography	3

Junior Year Second Semester

Item #	Title	Credits
	Painting VI	3
ARTH 179	African-American Art II	3
	University Elective	3
ARTA 013	Painting III (Mixed Media)	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Senior Year First Semester

Item #	Title	Credits
	Painting Elective	3
	Studio Elective	3
	History of Art Elective	3

Senior Year Second Semester

Item #	Title	Credits
	Painting Elective	3
ARTA 019	Public Art I (Mural Painting)	3
	Studio Elective	3
	Art Elective* (Options: See Elective Group List)	3
	Total credits:	121

Undergraduate Curriculum Guide for the B.F.A in Art - Painting Concentration

The Painting program is designed to introduce students to traditional and contemporary painting techniques with an emphasis on the control of paint and the painted form. In the intermediate and advanced level courses, students are encouraged to experiment with various media and thematic approaches.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FAOR 001	Freshman Orientation	1
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
MUTP 100	Blacks in the Arts	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
ARTP 050	Basic Black & White Photography	3

Sophomore Year First Semester

Item #	Title	Credits
ARTA 011	Painting I	3
ARTR 003	Drawing III (Figure)	3
	Computers in the Arts	3
	Art Elective* (Options: See Elective Group List)	3
ARTP 031	Printmaking I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTA 012	Painting II	3
ARTA 014	Watercolor Painting I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
ARTR 004	Drawing IV (Spatial Concepts)	3

Junior Year First Semester

Item #	Title	Credits
	Painting V	3
ARTH 178	African-American Art I	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Studio Elective	3
	Intro to Photography	3

Junior Year Second Semester

Item #	Title	Credits
	Painting VI	3
ARTH 179	African-American Art II	3
	University Elective	3
	Mixed Media Painting	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Senior Year First Semester

Item #	Title	Credits
	Painting Elective	3
	Studio Elective	3
	History of Art Elective	3

Senior Year Second Semester

Item #	Title	Credits
	Painting Elective	3
	Art in Public Places or Social Painting I	3
	Studio Elective	3
	Art Elective* (Options: See Elective Group List)	3
	Total credits:	121

Photography

Art - Photography Concentration (B.F.A.)

The Photography program provides students with skills, techniques, and principals of conventional darkroom practices, which form the framework for digital imaging in advance courses. Color photography, taught in combination with Photoshop, adds another dimension to creative control and expression along with multimedia applications. Advance courses in Studio Lighting, Alternative Processes, and Independent Study, are designed to allow the student to produce portfolios from collective experiences and photographic knowledge. The photography program embraces modern technologies while enforcing the principles of light, color and image capture for print and the Web. We ground the student in the fundamentals of basic darkroom techniques with black and white film and chemistry in producing a finished print. Other courses challenge your approach to thematic concepts where you express ideas illustrated through the images you produce. Through digital applications you'll learn about basic color theory, characteristics and behaviors and how color impacts the image. The program rounds out with studio lighting, alternative processes and multimedia production giving the student necessary skill sets and collaborative working environments reflecting the current trends of the global market.

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
MUTP 100	Blacks in the Arts	3
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
ENGL 003	Freshman Composition	3
ARTP 050	Basic Black & White Photography	3

Sophomore Year First Semester

Item #	Title	Credits
ARTP 051	Intermediate Photography	3
	Studio Elective	3
HIST 009	United States History to 1877	3
ARTE 080	Computers in the Arts	3
MATH 006	College Algebra I	3

Sophomore Year Second Semester

Item #	Title	Credits
	Art Elective* (Options: See Elective Group List)	3
HIST 010	United States History Since 1877	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Studio Elective	3

Junior Year First Semester

Item #	Title	Credits
ARTP 052	Photography II. Basic Color	3
ARTE 085	Digital Photography	3
ARTH 178	African-American Art I	3
	Foreign Language I	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
ARTP 056	Editorial Photography	3
	Art Elective* (Options: See Elective Group List)	3
ARTH 179	African-American Art II	3
	Foreign Language II	3
	Studio Elective or Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Art History Elective (Options: Courses under code ARTH)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	University Elective	3
	University Elective	3

Senior Year Second Semester

Item #	Title	Credits
ARTP 055	Studio Photography	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Studio Elective	3
	University Elective	3
	Total credits:	121

Undergraduate Curriculum Guide for the B.F.A in Art - Photography Concentration

The Photography program provides students with skills, techniques, and principals of conventional darkroom practices, which form the framework for digital imaging in advance courses. Color photography, taught in combination with Photoshop, adds another dimension to creative control and expression along with multimedia applications. Advance courses in Studio Lighting, Alternative Processes, and Independent Study, are designed to allow the student to produce portfolios from collective experiences and photographic knowledge. The photography program embraces modern technologies while enforcing the principles of light, color and image capture for print and the Web. We ground the student in the fundamentals of basic darkroom techniques with black and white film and chemistry in producing a finished print. Other courses challenge your approach to thematic concepts where you express ideas illustrated through the images you produce. Through digital applications you'll learn about basic color theory, characteristics and behaviors and how color impacts the image. The program rounds out with studio lighting, alternative processes and multimedia production giving the student necessary skill sets and collaborative working environments reflecting the current trends of the global market.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
MUTP 100	Blacks in the Arts	3
ENGL 002	Freshman Composition	3
FAOR 001	Freshman Orientation	1

Freshman Year Second Semester

Item #	Title	Credits
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
ENGL 003	Freshman Composition	3
ARTP 050	Basic Black &White Photography	3

Sophomore Year First Semester

Item #	Title	Credits
ARTP 051	Intermediate Photography	3
	Studio Elective	3
	U.S. History to 1877 or Div. C	3
	Computers in the Arts	3
MATH 006	College Algebra I	3

Sophomore Year Second Semester

Item #	Title	Credits
	Color Photo - or appropriate elec.	3
	U.S. History Since 1877 or Div. C	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Studio Elective	3

Junior Year First Semester

Item #	Title	Credits
ARTP 052	Photography II. Basic Color	3
ARTE 085	Digital Photography	3
ARTH 178	African-American Art I	3
	Foreign Language I	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
ARTP 056	Editorial Photography	3
	Art Elective* (Options: See Elective Group List)	3
ARTH 179	African-American Art II	3
	Foreign Language II	3
	Studio Elective or Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Art History Elective (Options: Courses under code ARTH)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	University Elective	3

Senior Year Second Semester

Item #	Title	Credits
ARTP 055	Studio Photography	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Studio Elective	3
	University Elective	3
	Total credits:	118

Sculpture

Art - Sculpture Concentration (B.F.A.)

The Sculpture program provides students with a variety of sculpting experiences. The program offers courses in figure and character modeling, welded and forged steel fabrication, multi-media assemblage, wood and stone carving, woodworking, cement, and mold making and casting. B.F.A. candidates may specialize in one or a combination of areas depending on their personal direction and career path. Graduate and undergraduate students work side-by-side in a 5600 sq. ft. studio facility which houses three shop areas, graduate studios, an outside gated work area, and a 3D modeling computer lab.

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
MUTP 100	Blacks in the Arts	3
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
ENGL 003	Freshman Composition	3
ARTP 050	Basic Black & White Photography	3

Sophomore Year First Semester

Item #	Title	Credits
ARTS 141	Sculpture I: Modeling and Casting	3
ARTR 003	Drawing III (Figure)	3
	Art Elective* (Options: See Elective Group List)	3
ARTS 143	Figure Sculpture I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTS 142	Sculpture II: Fabrication and Carving	3
ARTS 144	Figure Sculpture II	3
	University Elective	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen 3 (Options: see Elective Group Descriptions)	3
ARTR 004	Drawing IV (Spatial Concepts)	3

Junior Year First Semester

Item #	Title	Credits
ARTS 149	Metal Sculpture I: Welding and Fabrication	3
	Sculpture Elective	3
	Studio Elective	3
ARTE 080	Computers in the Arts	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
ARTH 178	African-American Art I	3

Junior Year Second Semester

Item #	Title	Credits
ARTS 150	Metal Sculpture II: Smithing and Forge Fabrication	3
	Sculpture Elective	3
	Studio Elective	3
	Liberal Arts	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
ARTH 179	African-American Art II	3

Senior Year First Semester

Item #	Title	Credits
ARTS 147	Wood Sculpture	3
	Sculpture Elective	3
	Art Elective* (Options: See Elective Group List)	3
SLMC 101	Principles of Speech.	3
	University Elective	3

Senior Year Second Semester

Item #	Title	Credits
ARTS 148	Stone Carving	3
	Sculpture Elective	3
	Art Elective* (Options: See Elective Group List)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	University Elective	3
	Total credits:	133

Undergraduate Curriculum Guide for the B.F.A in Art - Sculpture Concentration

The Sculpture program provides students with a variety of sculpting experiences. The program offers courses in figure and character modeling, welded and forged steel fabrication, multi-media assemblage, wood and stone carving, woodworking, cement, and mold making and casting. B.F.A. candidates may specialize in one or a combination of areas depending on their personal direction and career path. Graduate and undergraduate students work side-by-side in a 5600 sq. ft. studio facility which houses three shop areas, graduate studios, an outside gated work area, and a 3D modeling computer lab.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Art	3
MUTP 100	Blacks in the Arts	3
ENGL 002	Freshman Composition	3
FAOR 001	Freshman Orientation	1

Freshman Year Second Semester

Item #	Title	Credits
ARTF 088	Two-Dimensional Concepts II	3
ARTF 090	Three-Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Introduction to Art History	3
ENGL 003	Freshman Composition	3
ARTP 050	Basic Black & White Photography	3

Sophomore Year First Semester

Item #	Title	Credits
ARTS 141	Sculpture I: Modeling and Casting	3
ARTR 003	Drawing III (Figure)	3
	Art Elective* (Options: See Elective Group List)	3
ARTS 143	Figure Sculpture I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
ARTS 142	Sculpture II: Fabrication and Carving	3
ARTS 144	Figure Sculpture II	3
	University Elective	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
ARTR 004	Drawing IV (Spatial Concepts)	3

Junior Year First Semester

Item #	Title	Credits
ARTS 149	Metal Sculpture I: Welding and Fabrication	3
	Sculpture Elective	3
	Studio Elective	3
	Computers in the Arts	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
ARTH 178	African-American Art I	3

Junior Year Second Semester

Item #	Title	Credits
ARTS 150	Metal Sculpture II: Smithing and Forge Fabrication	3
	Sculpture Elective	3
	Studio Elective	3
	Liberal Arts	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
ARTH 179	African-American Art II	3

Senior Year First Semester

Item #	Title	Credits
ARTS 147	Wood Sculpture	3
	Sculpture Elective	3
	Art Elective* (Options: See Elective Group List)	3
	Speech	3
	University Elective	3

Senior Year Second Semester

Item #	Title	Credits
ARTS 148	Stone Carving	3
	Sculpture Elective	3
	Art Elective* (Options: See Elective Group List)	3
	Elective	3
	University Elective	3
	Total credits:	133

Biology

Biology (B.S.)

The Biology Department has established a strong instructional and research unit in contemporary biological sciences and will maintain a faculty that is committed to optimizing the pursuit of new knowledge and the discovery of new information through original research and to the communication of specialized information and skills. The department offers both lecture and laboratory courses as well as research opportunities organized around three areas of concentration: Cellular and Molecular Biology, Anatomy and Physiology, and Ecology and Evolutionary Biology.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
MATH 006	College Algebra I	3
BIOL 101	General Biology	4
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
BIOL 102	General Biology II	4
CHEM 006	General Chemistry Laboratory	1
MATH 007	Precalculus	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
BIOL 200	Genetics	4
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
ENGL 009	Technical Writing, Pre-Professional	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
	Biology Elective - 4crs * (Options: Courses under code BIOL)	4
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
	Biology Elective - 4crs * (Options: Courses under code BIOL)	4
PHYS 001, 002	General Physics	8
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Junior Year Second Semester

Item #	Title	Credits
	Advanced Biology Elective (Options: Courses in code BIOL)	4
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Advanced Biology Elective (Options: Courses in code BIOL)	4
BIOL 493, 494	Senior Seminar	1
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
	Advanced Biology Elective (Options: Courses in code BIOL)	4
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	African American Cluster (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	Total credits:	115

Undergraduate Curriculum Guide for the Biology B.S. Degree

The Biology Department has established a strong instructional and research unit in contemporary biological sciences and will maintain a faculty that is committed to optimizing the pursuit of new knowledge and the discovery of new information through original research and to the communication of specialized information and skills. The department offers both lecture and laboratory courses as well as research opportunities organized around three areas of concentration: Cellular and Molecular Biology, Anatomy and Physiology, and Ecology and Evolutionary Biology.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman English	3
FRSM 001	Freshman Seminar	1
MATH 006	College Algebra I	3
BIOL 101	General Biology	4
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
BIOL 102	General Biology II	4
CHEM 006	General Chemistry Laboratory	1
MATH 007	Precalculus	4
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
BIOL 200	Genetics	4
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
ENGL 009	Technical Writing, Pre-Professional	3

Sophomore Year Second Semester

Item #	Title	Credits
	Biology Elective - 4crs * (Options: Courses under code BIOL)	4
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
	Biology Elective - 4crs * (Options: Courses under code BIOL)	4
PHYS 001, 002	General Physics	8
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Junior Year Second Semester

Item #	Title	Credits
	Advanced Biology Elective (Options: Courses in code BIOL)	4
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
	Advanced Biology Electives (Options: Courses under code BIOL)	7
	Senior Seminar	1
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
	Advanced Biology Elective (Options: Courses in code BIOL)	4
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	African American Cluster (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	Total credits:	106

Criminology

Criminology (B.A.)

The Criminology program provides students with the basic tools for analysis and insight, including research methods (both quantitative and qualitative) and theory. Furthermore, our curriculum equips students to more effectively negotiate the diverse society in which we live by addressing social inequalities such as race/ethnicity, gender and social class. Above all, the Criminology program with its emphasis on writing, critical thinking, group dialogue, and one-on-one faculty mentorship, gives graduates the strong writing, research, and analytic skills that are increasingly attractive to employers in the information age.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	Writing Course	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
PHIL 055	Introduction to Philosophy	3
MATH 007	Precalculus	4
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
SOCI 001	Introduction to Sociology	3
SLMC 101	Principles of Speech.	3
SOCI 070	Introduction to Criminology	3
SOCI 110	Elementary Statistics	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SOCI 170	Principles of Criminal Justice	3
SOCI 111	Sociological Methods	3
SOCI 074	Corrections	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
SOCI 079	Internship	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	General Electives (Options: To be determined in consultation with advisor)	6
	Minor Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective 1 Credit (Options: To be determined in consultation with advisor)	1
	Total credits:	120

Undergraduate Curriculum Guide for the Administration of Justice Major (B.A)

The Administration of Justice program provides students with the basic tools for analysis and insight, including research methods (both quantitative and qualitative) and theory. Furthermore, our curriculum equips students to more effectively negotiate the diverse society in which we live by addressing social inequalities such as race/ethnicity, gender and social class. Above all, the AOJ program with its emphasis on writing, critical thinking, group dialogue, and one-on-one faculty mentorship, gives graduates the strong writing, research, and analytic skills that are increasingly attractive to employers in the information age.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	Writing Course	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
	Philosophy	3
MATH 007	Precalculus	4
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
SOCI 001	Introduction to Sociology	3
SLMC 101	Principles of Speech.	3
SOCI 070	Introduction to Criminology	3
SOCI 110	Elementary Statistics	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SOCI 170	Principles of Criminal Justice	3
SOCI 111	Sociological Methods	3
SOCI 074	Corrections	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
SOCI 079	Internship	3
	AOJ Elective	3
	AOJ Elective	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	AOJ Elective	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective 1 Credit (Options: To be determined in consultation with advisor)	1
	Total credits:	114

Chemistry

Applied Mathematics – Chemistry Concentration (B.S.)

The specific mission for the major in Mathematics is to produce a well trained mathematician capable of both research and teaching in general. In particular a Howard University trained mathematician must be comfortable when employed as an actuarial scientist, a computer scientist and/or a mathematician/researcher in schools, government or industry. A Mathematics major may choose an area of concentration from among Actuarial Science, Computer Science and Pure/Applied Mathematics

- Computer Science Concentration
- Economics
- Education
- Pre-Med/ Pre-Dental
- Pure Mathematics
- Biology & Physics Concentration
- Chemistry

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

****Unless the instructor permits an exception, MATH 164 course requires 159 as a prerequisite.**

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
FRSM 001	Freshman Seminar	1
	Freshman Composition	3
	CHEM 003/5	5
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
MATH 101	Proof and Problem Seminar I	1
	Freshman Composition	3
	CHEM 004/6	5
	Physical Education (Swimming)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
SYCS 136	Computer Science II	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
PHIL 055	Introduction to Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
MATH 195	Introduction to Analysis I	3
	Math Elective (Options: Courses under code MATH)	3
	Chemistry Elective (Options: Courses under code CHEM)	4
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 164	Introduction to Numerical Analysis	3
	Writing Course	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
MATH 197	Introduction to Modern Algebra I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Math Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	Total credits:	121

Chemistry (B.S.)

The chemistry undergraduate major gives a solid preparation for further study in medicine and dentistry. It is also a desirable major for students who later choose to pursue law or business administration. The broad requirements in physics and mathematics provide a strong background for a career in the teaching of science. In general, chemists are employed in chemical manufacturing, pharmaceutical manufacturing, the petrochemical industries, teaching, environmental and waste management, and in government.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Education Elective (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Freshman Year Second Semester

Item #	Title	Credits
CHEM 006	General Chemistry Laboratory	1
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
PHYS 001, 002	General Physics	8
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6
	General Education Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
CHEM 171	Physical Chemistry Lecture	3
CHEM 173	Physical Chemistry Laboratory	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3

Junior Year Second Semester

Item #	Title	Credits
CHEM 174	Physical Chemistry Laboratory	2
	Writing Course	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
CHEM 088, 089	Directed Readings for Juniors	2

Senior Year First Semester

Item #	Title	Credits
CHEM 122	Analytical Chemistry Lectures	3
CHEM 123	Analytical Chemistry Laboratory	2
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
CHEM 126	Instrumental Methods of Analysis—Lecture	3
CHEM 127	Instrumental Methods of Analysis—Laboratory	2
	General Elective (Options: To be determined in consultation with advisor)	3
PHIL 055	Introduction to Philosophy	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	123

Undergraduate Curriculum Guide for Chemistry – Calculus Sequence B.S. Degree

The chemistry undergraduate major gives a solid preparation for further study in medicine and dentistry. It is also a desirable major for students who later choose to pursue law or business administration. The broad

requirements in physics and mathematics provide a strong background for a career in the teaching of science. In general, chemists are employed in chemical manufacturing, pharmaceutical manufacturing, the petrochemical industries, teaching, environmental and waste management, and in government.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
CHEM 006	General Chemistry Laboratory	1
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
PHYS 001, 002	General Physics	8
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
CHEM 171	Physical Chemistry Lecture	3
CHEM 173	Physical Chemistry Laboratory	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3

Junior Year Second Semester

Item #	Title	Credits
CHEM 174	Physical Chemistry Laboratory	2
	Writing Course	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
CHEM 088, 089	Directed Readings for Juniors	2

Senior Year First Semester

Item #	Title	Credits
CHEM 122	Analytical Chemistry Lectures	3
CHEM 123	Analytical Chemistry Laboratory	2
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
CHEM 126	Instrumental Methods of Analysis—Lecture	3
CHEM 127	Instrumental Methods of Analysis—Laboratory	2
	General Elective (Options: To be determined in consultation with advisor)	3
	Philosophy	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	87

Economics

Economics (B.A.)

The undergraduate program in economics at Howard University is structured to provide students with a thorough foundation in economic theory and the use of mathematics, statistics, and computer technology to analyze contemporary policy issues.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
	English Writing Course	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
ECON 001	Principles of Economics I	3
ECON 180	Statistics for Business and Economics	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
PHIL 055	Introduction to Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
ECON 002	Principles of Economics II	3
ECON 184	Introduction to Econometrics	3
MATH 026	Applied Calculus	4

Junior Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
ECON 170	Intermediate Microeconomic Theory	3
	Econ Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
ECON 171	Intermediate Macroeconomic Theory	3
	Econ Major Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
	Econ Major Elective (Options: To be determined in consultation with advisor)	3
	Econ Major Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Econ Major Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	122

Undergraduate Curriculum Guide for Economics

The undergraduate program in economics at Howard University is structured to provide students with a thorough foundation in economic theory and the use of mathematics, statistics, and computer technology to analyze contemporary policy issues.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
	English Writing Course	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
ECON 001	Principles of Economics I	3
ECON 180	Statistics for Business and Economics	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
ECON 002	Principles of Economics II	3
ECON 184	Introduction to Econometrics	3
MATH 026	Applied Calculus	4

Junior Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
ECON 170	Intermediate Microeconomic Theory	3
	Econ Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
ECON 171	Intermediate Macroeconomic Theory	3
	Econ Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
	Econ Major Elective (Options: To be determined in consultation with advisor)	3
	Econ Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Econ Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	116

English

English (B.A.)

English majors gain strong critical reading, analytical thinking, focused research, and precise writing skills. The required core courses will enable students to fulfill requirements for state teaching accreditation, graduate work in the humanities, and admission to a wide variety of professional schools

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
HHPL 002	Beginning Swimming	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
ENGL 104	Sophomore Seminar I: Introduction to English Studies	3
HHPL 002	Beginning Swimming	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
ENGL 113	British Literary Foundations	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
ENGL 105	Sophomore Seminar II: Theories of Interpretation.	3
ENGL 112	American Literary Foundations	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
ENGL 110	Linguistic (and/or Language) Foundations	3
ENGL 111	African American Literary Foundations	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
	Genre or Period Course	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Major Author	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	122

Undergraduate Curriculum Guide for the English B.A. Degree

English majors gain strong critical reading, analytical thinking, focused research, and precise writing skills. The required core courses will enable students to fulfill requirements for state teaching accreditation, graduate work in the humanities, and admission to a wide variety of professional schools

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
HHPL 002	Beginning Swimming	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
	Sophomore Seminar I	3
HHPL 002	Beginning Swimming	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	British Foundations	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	Sophomore Seminar II	3
	American Foundations	3
	Minor (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
	Linguistic Foundation	3
	African American Foundation	3
	Minor (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
	Genre or Period Course	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Major Author	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	113

History

History (B.A.)

The undergraduate program in history is designed to provide the student with an understanding of the processes of historical research and reconstruction, an appreciation of the discipline of history as a way of thinking and learning, and substantive knowledge in those areas of history in which the student may concentrate.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman English	3
FRSM 001	Freshman Seminar	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Lect. In Concentration	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman English	3
	Lect. In Concentration	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
HIST 003	Introduction to History	3

Sophomore Year Second Semester

Item #	Title	Credits
	HIST 005/006	6
PHIL 055	Introduction to Philosophy	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
HIST 700	Introduction to the Black Diaspora II, Writing	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
	History Seminar	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	General Education Elective (Options: To be determined in consultation with advisor)	3
	General Education Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	General Education Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor or Gen. Ed Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Total credits:	125

Undergraduate Curriculum Guide for the History B.A. Degree

The undergraduate program in history is designed to provide the student with an understanding of the processes of historical research and reconstruction, an appreciation of the discipline of history as a way of thinking and learning, and substantive knowledge in those areas of history in which the student may concentrate.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman English	3
FRSM 001	Freshman Seminar	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Lect. In Concentration	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman English	3
	Lect. In Concentration	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Intro to History	3

Sophomore Year Second Semester

Item #	Title	Credits
	Black Diaspora I or II	3
	Philosophy	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
HIST 700	Introduction to the Black Diaspora II, Writing	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
	History Seminar	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	General Education Elective (Options: To be determined in consultation with advisor)	3
	General Education Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	General Education Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor or Gen. Ed Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Total credits:	122

Allied Health Education

Health Education (B.A.)

The Health Education degree prepares students who wish to find employment in community based agencies, public health departments, non-profit organizations or hospitals.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
MATH 006	College Algebra I	3
NUTR 161	Nutrition for Health Majors	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman English for Eng. Maj.	3
MATH 007	Precalculus	4
HHPL 140	Human Growth and Development	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
HHPL 157	Health Problems of Children and Youth	3
HHPL 163	Foundation of Health Promotion	3
AFRO 005	Introduction to Africana Studies I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
HHPL 153	Human Sexuality	3
HHPL 165	Health of Women, Children and Families	3
AFRO 006	Introduction to Africana Studies II	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
HHPL 185	Field Work A - Health Education Majors	1
HHPL 152	Methods and Materials of Health Education	3
SLMC 101	Principles of Speech.	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
ECON 001	Principles of Economics I	3
HHPL 186	Field Work B – Health Education Majors	1
	Minor Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year First Semester

Item #	Title	Credits
HLMN 201	Community Health Organizations	3
HHPL 187	Field Work C – Health Education Majors	1
ECON 002	Principles of Economics II	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
HHPL 179	Community Health Internship – Majors Only	9
PHIL 055	Introduction to Philosophy	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Physical Education Elective (options: courses under subject code HHPL)	1
Total credits:		121

Undergraduate Curriculum Guide for the Health Education B.A. Degree

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
MATH 006	College Algebra I	3
NUTR 161	Nutrition for Health Majors	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman English for Eng. Maj.	3
MATH 007	Precalculus	4
HHPL 140	Human Growth and Development	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
HHPL 157	Health Problems of Children and Youth	3
HHPL 163	Foundation of Health Promotion	3
AFRO 005	Introduction to Africana Studies I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
HHPL 153	Human Sexuality	3
HHPL 165	Health of Women, Children and Families	3
AFRO 006	Introduction to Africana Studies II	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
HHPL 185	Field Work A - Health Education Majors	1
HHPL 152	Methods and Materials of Health Education	3
SLMC 101	Principles of Speech.	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
ECON 001	Principles of Economics I	3
HHPL 186	Field Work B - Health Education Majors	1
	Minor (Options: To be determined in consultation with advisor)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
HLMN 201	Community Health Organizations	3
HHPL 187	Field Work C – Health Education Majors	1
ECON 002	Principles of Economics II	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
HHPL 179	Community Health Internship – Majors Only	9
	Philosophy	3
	Minor (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Physical Education Elective (options: courses under subject code HHPL)	1
Total credits:		106

Interdisciplinary Studies

Interdisciplinary Studies (B.A.)

Our degree program is proposed as a field of study within the College of Arts and Sciences and as such would embrace several disciplines in the college and adhere to the college general education curriculum. Our Interdisciplinary Studies program is comprised by a set of courses that ground theory in practice, emphasize teamwork, utilize the scholar-practitioner model, and forges partnerships with government, industry, corporations, non-profit organizations and community organizations to provide students with hands on experience.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Freshman Composition	3
	Foreign Language (4 credits)	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Mathematics Elec (Options: Courses under code MATH)	3

Sophomore Year First Semester

Item #	Title	Credits
	English Writing Course	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
ECON 001	Principles of Economics I	3
	Seminar in Community Development	3
	Mathematics Elec (Options: Courses under code MATH)	3

Sophomore Year Second Semester

Item #	Title	Credits
PHIL 055	Introduction to Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
ECON 002	Principles of Economics II	3
ECON 188	The Economics of Black Community Development	3
SOCI 111	Sociological Methods	3

Junior Year, First Semester

Item #	Title	Credits
HUCO 101	Principles of Speech	3
POLS 165	Urban Political Economy	3
ECON 180	Statistics for Business and Economics	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
SOCI 140	Urban Sociology	3

Junior Year, Second Semester

Item #	Title	Credits
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year, First Semester

Item #	Title	Credits
	Minor Course (Options: To be determined in consultation with advisor)	3
	Internship	3-6
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year, Second Semester

Item #	Title	Credits
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Total credits:	119-122

Undergraduate Curriculum Guide for Interdisciplinary Studies

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
ENGL 002	Freshman Composition	3
	Foreign Language (4 credits)	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	Foreign Language (4 credits)	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Mathematics Elec (Options: Courses under code MATH)	3

Sophomore Year First Semester

Item #	Title	Credits
	English Writing Course	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
ECON 001	Principles of Economics I	3
	Seminar in Community Development	3
	Mathematics Elec (Options: Courses under code MATH)	3

Sophomore Year Second Semester

Item #	Title	Credits
	Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
ECON 002	Principles of Economics II	3
ECON 188	The Economics of Black Community Development	3
SOCI 111	Sociological Methods	3

Junior Year, First Semester

Item #	Title	Credits
HUCO 101	Principles of Speech	3
POLS 165	Urban Political Economy	3
ECON 180	Statistics for Business and Economics	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
SOCI 140	Urban Sociology	3

Junior Year, Second Semester

Item #	Title	Credits
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year, First Semester

Item #	Title	Credits
	Minor (Options: To be determined in consultation with advisor)	3
	Internship	3-6
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Senior Year, Second Semester

Item #	Title	Credits
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Total credits:	120

Mathematics

Applied Mathematics – Biology & Physics Concentration (B.S.)

The specific mission for the major in Mathematics is to produce a well trained mathematician capable of both research and teaching in general. In particular a Howard University trained mathematician must be comfortable when employed as an actuarial scientist, a computer scientist and/or a mathematician/researcher in schools, government or industry.

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

****Unless the instructor permits an exception, MATH 164 requires 159 as a prerequisite.**

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
FRSM 001	Freshman Seminar	1
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Freshman Year Second Semester

BIOL 101 or PHYS 1

Item #	Title	Credits
	Freshman Composition	3
MATH 101	Proof and Problem Seminar I	1
BIOL 101	General Biology	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

BIOL 102 or PHYS 2

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
BIOL 102	General Biology II	4
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
PHIL 055	Introduction to Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
MATH 160	Advanced Calculus for Science and Engineering	3
MATH 195	Introduction to Analysis I	3
	Bio or Phys. Elective (Options: Courses under codes BIOL or PHYS)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 164	Introduction to Numerical Analysis	3
	Writing Course	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
MATH 197	Introduction to Modern Algebra I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Math Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	122

Applied Mathematics – Computer Science Concentration (B.S.)

The specific mission for the major in Mathematics is to produce a well trained mathematician capable of both research and teaching in general. In particular a Howard University trained mathematician must be comfortable when employed as an actuarial scientist, a computer scientist and/or a mathematician/researcher in schools, government or industry.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
FRSM 001	Freshman Seminar	1
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
SYCS 136	Computer Science II	3
MATH 101	Proof and Problem Seminar I	1
	Freshman Composition	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
MATH 181	Discrete Structures	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
SYCS 354	Computer Science III	3
MATH 164	Introduction to Numerical Analysis	3
PHIL 055	Introduction to Philosophy	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
SYCS 470	Fundamentals of Algorithms	3
MATH 195	Introduction to Analysis I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
	Writing Course	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
MATH 197	Introduction to Modern Algebra I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3

Senior Year Second Semester

Item #	Title	Credits
	Math Elective (Options: Courses under code MATH)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	122

Applied Mathematics – Economics Concentration (B.S.)

The specific mission for the major in Mathematics is to produce a well trained mathematician capable of both research and teaching in general. In particular a Howard University trained mathematician must be comfortable when employed as an actuarial scientist, a computer scientist and/or a mathematician/researcher in schools, government or industry.

IMPORTANT: Students should complete one of their divisional requirements within the African American course cluster.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Freshman Year Second Semester

Item #	Title	Credits
MATH 101	Proof and Problem Seminar I	1
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
ECON 001	Principles of Economics I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
MATH 164	Introduction to Numerical Analysis	3
PHIL 055	Introduction to Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year First Semester

Item #	Title	Credits
MATH 160	Advanced Calculus for Science and Engineering	3
MATH 195	Introduction to Analysis I	3
ECON 002	Principles of Economics II	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
	Writing Course	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
	Mathematics Elective (Options: Courses under code MATH)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Economics Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
	Mathematics Elective (Options: Courses under code MATH)	3
	Economics Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Total credits:	122

Applied Mathematics – Education (Freshmen Even Year) Concentration (B.S.)

The specific mission for the major in Mathematics is to produce a well trained mathematician capable of both research and teaching in general. In particular a Howard University trained mathematician must be comfortable when employed as an actuarial scientist, a computer scientist and/or a mathematician/researcher in schools, government or industry.

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster. In addition, the Praxis I exam should be taken by the end of sophomore year and the Praxis II exam must be taken before doing student teaching.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
FRSM 001	Freshman Seminar	1
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 101	Proof and Problem Seminar I	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
MATH 150	Modern Geometry	3
EDUC 210	Foundations & Urban Education	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
SLMC 101	Principles of Speech.	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
EDUC 310	Educational Psychology and Special Education	3
MATH 195	Introduction to Analysis I	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 181	Discrete Structures	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
PHIL 055	Introduction to Philosophy	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
EDUC 410	Pedagogy & Content Literacy	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Math Elective (Options: Courses under code MATH)	3

Senior Year Second Semester

Item #	Title	Credits
EDUC 450	Internship and Classroom Management.	9-12
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	120-123

Applied Mathematics – Education (Freshmen Odd Year) Concentration (B.S.)

The specific mission for the major in Mathematics is to produce a well trained mathematician capable of both research and teaching in general. In particular a Howard University trained mathematician must be comfortable when employed as an actuarial scientist, a computer scientist and/or a mathematician/researcher in schools, government or industry.

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

In addition, the Praxis I exam should be taken by the end of sophomore year and the Praxis II exam must be taken before doing student teaching.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
FRSM 001	Freshman Seminar	1
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 101	Proof and Problem Seminar I	1
	Physical Education Elective (options: courses under subject code HHPL)	1
EDUC 210	Foundations & Urban Education	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
EDUC 310	Educational Psychology and Special Education	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
SLMC 101	Principles of Speech.	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
PHIL 055	Introduction to Philosophy	3

Junior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
MATH 150	Modern Geometry	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 181	Discrete Structures	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
MATH 195	Introduction to Analysis I	3
EDUC 420	Interdisciplinary Research in STEM	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Mathematics Elective (Options: Courses under code MATH)	3

Senior Year Second Semester

Item #	Title	Credits
EDUC 450	Internship and Classroom Management.	9-12
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	120-123

Applied Mathematics – Pre-Med/Pre- Dental Concentration (B.S.)

The specific mission for the major in Mathematics is to produce a well trained mathematician capable of both research and teaching in general. In particular a Howard University trained mathematician must be comfortable when employed as an actuarial scientist, a computer scientist and/or a mathematician/researcher in schools, government or industry.

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
BIOL 101	General Biology	4
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
FRSM 001	Freshman Seminar	1
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
MATH 101	Proof and Problem Seminar I	1
	Freshman Composition	3
BIOL 102	General Biology II	4
CHEM 006	General Chemistry Laboratory	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
PHIL 055	Introduction to Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year First Semester

Item #	Title	Credits
PHYS 001, 002	General Physics	8
MATH 195	Introduction to Analysis I	3
CHEM 151	Biochemistry Lecture	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
MATH 164	Introduction to Numerical Analysis	3
CHEM 152	Biochemistry	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
SYCS 135	Computer Science I	4
MATH 160	Advanced Calculus for Science and Engineering	3
BIOL 251	Comparative Anatomy	4
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
MATH 190	Probability and Statistics II	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Total credits:	123

Applied Mathematics – Pure Mathematics (Freshman – Even Year) Concentration (B.S.)

The specific mission for the major in Mathematics is to produce a well trained mathematician capable of both research and teaching in general. In particular a Howard University trained mathematician must be comfortable when employed as an actuarial scientist, a computer scientist and/or a mathematician/researcher in schools, government or industry.

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
FRSM 001	Freshman Seminar	1
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
MATH 101	Proof and Problem Seminar I	1
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
SYCS 135	Computer Science I	4
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
SLMC 101	Principles of Speech.	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
PHIL 055	Introduction to Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MATH 197	Introduction to Modern Algebra I	3
MATH 195	Introduction to Analysis I	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 196	Introduction to Analysis II	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Writing Course	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
MATH 199	Introduction to General Topology	3
	Mathematics Elective (Options: Courses under code MATH)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
MATH 185	Introduction to Complex Variables	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	Total credits:	122

Undergraduate Curriculum Guide for Applied Mathematics – Computer Science Concentration B.S. Degree

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
FRSM 001	Freshman Seminar	1
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
SYCS 136	Computer Science II	3
MATH 101	Proof and Problem Seminar I	1
	Freshman Composition	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
MATH 181	Discrete Structures	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
SYCS 354	Computer Science III	3
MATH 164	Introduction to Numerical Analysis	3
	Philosophy	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
SYCS 470	Fundamentals of Algorithms	3
MATH 195	Introduction to Analysis I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
	Writing Course	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
MATH 197	Introduction to Modern Algebra I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3

Senior Year Second Semester

Item #	Title	Credits
	Math Elective (Options: Courses under code MATH)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Undergraduate Curriculum Guide for Applied Mathematics – Economics

IMPORTANT: Students should complete one of their divisional requirements within the African American course cluster.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
MATH 101	Proof and Problem Seminar I	1
ENGL 003	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
ECON 001	Principles of Economics I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
MATH 164	Introduction to Numerical Analysis	3
	Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
MATH 160	Advanced Calculus for Science and Engineering	3
MATH 195	Introduction to Analysis I	3
ECON 002	Principles of Economics II	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
	Writing Course	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
	Mathematics Elective (Options: Courses under code MATH)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Economics Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
	Mathematics Elective (Options: Courses under code MATH)	3
	Economics Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
Total credits:		104

Undergraduate Curriculum Guide for Applied Mathematics – Education (Freshmen Even Year)

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

In addition, the Praxis I exam should be taken by the end of sophomore year and the Praxis II exam must be taken before doing student teaching.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
FRSM 001	Freshman Seminar	1
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 101	Proof and Problem Seminar I	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
MATH 150	Modern Geometry	3
EDUC 210	Foundations & Urban Education	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
SLMC 101	Principles of Speech.	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
EDUC 310	Educational Psychology and Special Education	3
MATH 195	Introduction to Analysis I	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 181	Discrete Structures	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Philosophy	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
EDUC 410	Pedagogy & Content Literacy	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Math Elective (Options: Courses under code MATH)	3

Senior Year Second Semester

Item #	Title	Credits
EDUC 450	Internship and Classroom Management.	9-12
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	105-108

Undergraduate Curriculum Guide for Applied Mathematics – Education (Freshmen Odd Year)

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

In addition, the Praxis I exam should be taken by the end of sophomore year and the Praxis II exam must be taken before doing student teaching.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
FRSM 001	Freshman Seminar	1
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 101	Proof and Problem Seminar I	1
	Physical Education Elective (options: courses under subject code HHPL)	1
EDUC 210	Foundations & Urban Education	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
EDUC 310	Educational Psychology and Special Education	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
SLMC 101	Principles of Speech.	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Philosophy	3

Junior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
MATH 150	Modern Geometry	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 181	Discrete Structures	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
MATH 195	Introduction to Analysis I	3
EDUC 410	Pedagogy & Content Literacy	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Mathematics Elective (Options: Courses under code MATH)	3

Senior Year Second Semester

Item #	Title	Credits
EDUC 450	Internship and Classroom Management.	9-12
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	105-108

Undergraduate Curriculum Guide for Applied Mathematics – Pre-Med/Pre-Dental

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
BIOL 101	General Biology	4
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
MATH 101	Proof and Problem Seminar I	1
	Freshman Composition	3
BIOL 102	General Biology II	4
CHEM 006	General Chemistry Laboratory	1

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
PHYS 001, 002	General Physics	8
MATH 195	Introduction to Analysis I	3
CHEM 151	Biochemistry Lecture	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
MATH 164	Introduction to Numerical Analysis	3
CHEM 152	Biochemistry	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
SYCS 135	Computer Science I	4
MATH 160	Advanced Calculus for Science and Engineering	3
BIOL 251	Comparative Anatomy	4
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
MATH 190	Probability and Statistics II	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
Total credits:		93

Undergraduate Curriculum Guide for Applied Mathematics – Pure Mathematics (Freshman – Even Year)

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
MATH 101	Proof and Problem Seminar I	1
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
SYCS 135	Computer Science I	4
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
SLMC 101	Principles of Speech.	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MATH 197	Introduction to Modern Algebra I	3
MATH 195	Introduction to Analysis I	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 196	Introduction to Analysis II	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Writing Course	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 199	Introduction to General Topology	3
	Mathematics Elective (Options: Courses under code MATH)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
MATH 185	Introduction to Complex Variables	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	104

Undergraduate Curriculum Guide for Applied Mathematics – Pure Mathematics (Freshman – Odd Year)

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
MATH 101	Proof and Problem Seminar I	1
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
SYCS 135	Computer Science I	4
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MATH 199	Introduction to General Topology	3
MATH 195	Introduction to Analysis I	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 185	Introduction to Complex Variables	3
MATH 196	Introduction to Analysis II	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Writing Course	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Total credits:	73

Undergraduate Curriculum Guide for the Applied Mathematics – Biology & Physics Concentration B.S. Degree

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

****Unless the instructor permits an exception, MATH 164 requires 159 as a prerequisite.**

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
FRSM 001	Freshman Seminar	1
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 101	Proof and Problem Seminar I	1
	Gen. Bio I or Phys. I/Lab	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Gen. Bio II or Phys. II/Lab	4

Sophomore Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
	Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
MATH 160	Advanced Calculus for Science and Engineering	3
MATH 195	Introduction to Analysis I	3
	Bio or Phys. Elective (Options: Courses under codes BIOL or PHYS)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 164	Introduction to Numerical Analysis	3
	Writing Course	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
MATH 197	Introduction to Modern Algebra I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Math Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
Total credits:		104

Undergraduate Curriculum Guide for the Applied Mathematics – Chemistry Concentration B.S. Degree

The specific mission for the major in Mathematics is to produce a well trained mathematician capable of both research and teaching in general. In particular a Howard University trained mathematician must be comfortable when employed as an actuarial scientist, a computer scientist and/or a mathematician/researcher in schools, government or industry. A Mathematics major may choose an area of concentration from among Actuarial Science, Computer Science and Pure/Applied Mathematics

- Computer Science Concentration
- Economics
- Education
- Pre-Med/ Pre-Dental
- Pure Mathematics
- Biology & Physics Concentration
- Chemistry

IMPORTANT: *Students should complete one of their divisional requirements within the African American course cluster.

****Unless the instructor permits an exception, MATH 164 course requires 159 as a prerequisite.**

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
SYCS 135	Computer Science I	4
FRSM 001	Freshman Seminar	1
	Freshman Composition	3
	CHEM 003/5	5

Freshman Year Second Semester

Item #	Title	Credits
MATH 101	Proof and Problem Seminar I	1
	Freshman Composition	3
	CHEM 004/6	5
	Physical Education (Swimming)	3

Sophomore Year First Semester

Item #	Title	Credits
MATH 102	Proof and Problem Seminar II	1
SYCS 136	Computer Science II	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
MATH 180	Introduction to Linear Algebra	3
	Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MATH 195	Introduction to Analysis I	3
	Math Elective (Options: Courses under code MATH)	3
	Chemistry Elective (Options: Courses under code CHEM)	4
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MATH 164	Introduction to Numerical Analysis	3
	Writing Course	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
MATH 189	Probability and Statistics I	3
MATH 197	Introduction to Modern Algebra I	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Math Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	Total credits:	106

Music

Undergraduate Curriculum Guide for Bachelor of Music Major - Performance – Instrument Concentration

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Instrument Major I	3
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSE 011, 012	Functional Piano	1
	Large Ensemble I	1
	Physical Education Elective (options: courses under subject code HHPL)	1
MUTO 011	Student Recital	0

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	Instrument Major II	3
	Large Ensemble II	1
MATH 006	College Algebra I	3

Sophomore Year First Semester

Item #	Title	Credits
	Instrument Major III	3
MUSB 011 (I), 012 (II)	Advanced Ear Training and Sight Singing	2
MUSB 041 (I), 042 (II)	Advanced Harmony, (I, II)	3
MUSE 021, 022	Functional Piano	1
MUSC 005	Music Literature to 1600	3
HUCO 101	Principles of Speech	3
MUTO 021	Student Recital	0
	Large Ensemble III	1

Sophomore Year Second Semester

Item #	Title	Credits
	Instrument Major IV	3
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUTO 022	Student Recital	0
	Large Ensemble IV	1
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
	Instrument Major V	3
MUSB 016/116	Keyboard Harmony	2
MUSB 124	Form and Analysis	3
	Large Ensemble V	1
MUTO 031	Student Recital	0
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
	Instrument Major VI	3
MUSB 043	Counterpoint	3
MUTO 032	Student Recital	0
MUSC 008	African and Afro-American Music Literature	3
	Large Ensemble VI	1
MUSD 058	Instrumental Conducting	3
MUTO 111	Qualifying Recital	0
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
	Instrument Major VII	3
MUSB 103	Orchestration	3
	Small Ensemble I	1
MUTO 041	Student Recital	0
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
	Instrument Major VIII	3
	Small Ensemble II	1
	ARTE 080 or MUSI 076	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	106

Music Major - Jazz Studies with Piano Minor (B.M.)

The objective of the Jazz Studies program is to preserve and perpetuate jazz through instruction, performance, and research. Included in the curriculum are improvisation, arranging, composing, history, digital music, and studies relating to the music business.

Type: B.M.

Type: B.M.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	Jazz or Elective Ensemble I	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSE 111, 112	Piano Minor	2
MUTO 011	Student Recital	0
MUTX 111	Jazz Piano Minor I	2

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	Jazz or Elective Ensemble II	1
MUTO 012	Student Recital	0
MUTX 112	Jazz Piano Minor IV	2
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
	Freshman Composition	3
	Jazz or Elective Ensemble III	1
MUSE 121, 122	Piano Minor	2
MUSH 021, 022	Jazz Improvisation II	2
MUTO 021	Student Recital	0
MUSI 110, 111	Jazz History I, II	3

Sophomore Year Second Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	Jazz or Elective Ensemble IV	1
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUSI 102	Jazz Theory II	3
MUTO 022	Student Recital	0
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year First Semester

Item #	Title	Credits
	Jazz or Elective Ensemble V	1
MUSH 031, 032	Jazz Improvisation III	2
MUSI 076	Intro to Music Technology I	1
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUSI 183	Jazz Arranging I	3
MUTO 031	Student Recital	0
MUTX 131	Jazz Piano Minor V	2
	Elective - 1 credit (Options: Any 1 credit course offered by the university, subject to advisor's approval)	1

Junior Year Second Semester

Item #	Title	Credits
	Jazz or Elective Ensemble VI	1
MUSC 008	African and Afro-American Music Literature	3
MUSI 077	Intro to Music Technology II	3
MUSI 184	Jazz Arranging II	3
MUTO 032	Student Recital	0
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year First Semester

MUSD 052 or 058

Item #	Title	Credits
	Jazz or Elective Ensemble VII	1
MUSD 052	Advanced Choral Conducting	3
MUSI 032	Intro Entertainment law	3
MUTI 111	Jazz Workshop	1
MUTO 041	Student Recital	0
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Senior Year Second Semester

Item #	Title	Credits
	Jazz or Elective Ensemble VIII	1
MUTO 042	Student Recital	0
MUTO 111	Qualifying Recital	0
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Total credits:	105

Instrumental

Music Major - Performance – Instrument Concentration (B.M.)

The undergraduate curricula and course schemes are designed to be completed in four years of full-time, fall-and- spring-semester study. Students enroll in a broad spectrum of classes and performing ensembles to help them become knowledgeable and highly skilled professional musicians.

Type: B.M.

Type: B.M.

Freshman Year First Semester

(See page 609 for Music Codes)

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Instrument Major I	3
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSE 011, 012	Functional Piano	1
	Large Ensemble I	1
	Physical Education Elective (options: courses under subject code HHPL)	1
MUTO 011	Student Recital	0

Freshman Year Second Semester

(See page 609 for Music Codes)

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	Instrument Major II	3
	Large Ensemble II	1
MATH 006	College Algebra I	3

Sophomore Year First Semester

(See page 609 for Music Codes)

Item #	Title	Credits
	Instrument Major III	3
MUSB 011 (I), 012 (II)	Advanced Ear Training and Sight Singing	2
MUSB 041 (I), 042 (II)	Advanced Harmony, (I, II)	3
MUSE 021, 022	Functional Piano	1
MUSC 005	Music Literature to 1600	3
HUCO 101	Principles of Speech	3
MUTO 021	Student Recital	0
	Large Ensemble III	1

Sophomore Year Second Semester

(See page 609 for Music Codes)

Item #	Title	Credits
	Instrument Major IV	3
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUTO 022	Student Recital	0
	Large Ensemble IV	1
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Junior Year First Semester

(See page 609 for Music Codes)

Item #	Title	Credits
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
	Instrument Major V	3
MUSB 016/116	Keyboard Harmony	2
MUSB 124	Form and Analysis	3
	Large Ensemble V	1
MUTO 031	Student Recital	0
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

(See page 609 for Music Codes)

Item #	Title	Credits
	Instrument Major VI	3
MUSB 043	Counterpoint	3
MUTO 032	Student Recital	0
MUSC 008	African and Afro-American Music Literature	3
	Large Ensemble VI	1
MUSD 058	Instrumental Conducting	3
MUTO 111	Qualifying Recital	0
	Physical Education Elective (options: courses under subject code 1 HHPL)	1

Senior Year First Semester

(See page 609 for Music Codes)

Item #	Title	Credits
	Instrument Major VII	3
MUSB 103	Orchestration	3
	Jazz or Elective Ensemble VII	1
MUTO 041	Student Recital	0
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Senior Year Second Semester

Item #	Title	Credits
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
	Instrument Major VIII	3
	Jazz or Elective Ensemble VIII	1
	ARTE 080 or MUSI 076	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	Total credits:	106

Piano

Undergraduate Curriculum Guide for Bachelor of Music Major - Performance – Piano

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
	Large Ensemble I	1
MUSE 211, 212	Piano Major	4
MUTO 011	Student Recital	0
MATH 006	College Algebra I	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	Large Ensemble II	1
MUTO 012	Student Recital	0
HUCO 101	Principles of Speech	3

Sophomore Year First Semester

Item #	Title	Credits
MUSB 011 (I), 012 (II)	Advanced Ear Training and Sight Singing	2
MUSB 041 (I), 042 (II)	Advanced Harmony, (I, II)	3
MUSC 005	Music Literature to 1600	3
MUTO 021	Student Recital	0
	Large Ensemble III	1
MUSE 221, 222	Piano Major	4
MUSE 153, 154	Vocal Accompanying	2
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUTO 022	Student Recital	0
	Large Ensemble IV	1
MUTO 111	Qualifying Recital	0

Junior Year First Semester

Item #	Title	Credits
	ARTE 080 or MUSB 124	3
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUTO 031	Student Recital	0
MUSE 171	Piano Literature	2
MUSE 231, 232	Piano Major	4
MUSI 076	Intro to Music Technology I	1
MUSZ 111, 112	Piano Trio	1

Junior Year Second Semester

Item #	Title	Credits
MUSB 043	Counterpoint	3
MUSC 008	African and Afro-American Music Literature	3
MUSE 171	Piano Literature	2
MUSZ 322	Piano Trio (Ens.) II	1
MUTO 041	Student Recital	0
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Senior Year First Semester

Item #	Title	Credits
MUSE 157, 158	Piano Pedagogy	2
MUSE 241, 242	Piano Major	4
MUSZ 121, 122	Piano Trio (Ens) II	1
MUTO 041	Student Recital	0
	General Elective (Options: To be determined in consultation with advisor)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
	General Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	93

Music Major - Performance – Piano (B.M.)

The undergraduate curricula and course schemes are designed to be completed in four years of full-time, fall-and- spring-semester study. Students enroll in a broad spectrum of classes and performing ensembles to help them become knowledgeable and highly skilled professional musicians.

Type: B.M.

Type: B.M.

Freshman Year First Semester

(See page 609 for Music Codes)

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSZ 111, 112	Piano Trio	1
MUSE 211, 212	Piano Major	4
MUTO 011	Student Recital	0
MATH 006	College Algebra I	3

Freshman Year Second Semester

(See page 609 for Music Codes)

Item #	Title	Credits
	Freshman Composition	3
MUSZ 111, 112	Piano Trio	1
MUTO 012	Student Recital	0
HUCO 101	Principles of Speech	3

Sophomore Year First Semester

(See page 609 for Music Codes)

Item #	Title	Credits
MUSB 011 (I), 012 (II)	Advanced Ear Training and Sight Singing	2
MUSB 041 (I), 042 (II)	Advanced Harmony, (I, II)	3
MUSC 005	Music Literature to 1600	3
MUTO 021	Student Recital	0
MUSZ 121, 122	Piano Trio (Ens) II	1
MUSE 221, 222	Piano Major	4
MUSE 153, 154	Vocal Accompanying	2
	Physical Education Elective (options: courses under subject code 1 HHPL)	1

Sophomore Year Second Semester

(See page 609 for Music Codes)

Item #	Title	Credits
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUTO 022	Student Recital	0
MUSZ 121, 122	Piano Trio (Ens) II	1
MUTO 111	Qualifying Recital	0

Junior Year First Semester

(See page 609 for Music Codes)

Item #	Title	Credits
	ARTE 080 or MUSB 124	3
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUTO 031	Student Recital	0
MUSE 171	Piano Literature	2
MUSE 231, 232	Piano Major	4
MUSI 076	Intro to Music Technology I	1
MUSZ 111, 112	Piano Trio	1

Junior Year Second Semester

(See page 609 for Music Codes)

Item #	Title	Credits
MUSB 043	Counterpoint	3
MUSC 008	African and Afro-American Music Literature	3
MUSE 171	Piano Literature	2
MUSZ 322	Piano Trio (Ens.) II	1
MUTO 041	Student Recital	0
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Senior Year First Semester

(See page 609 for Music Codes)

Item #	Title	Credits
MUSE 157, 158	Piano Pedagogy	2
MUSE 241, 242	Piano Major	4
MUSZ 121, 122	Piano Trio (Ens) II	1
MUTO 041	Student Recital	0
	General Elective (Options: To be determined in consultation with advisor)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

(See page 609 for Music Codes)

Item #	Title	Credits
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
	General Electives (Options: To be determined in consultation with advisor)	6
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	96

Jazz

Undergraduate Curriculum Guide for Bachelor of Music Major - Jazz Studies-Voice Concentration

The Jazz Studies program develops skills in jazz performance, composition, arranging, and history; and offers an optional emphasis in Music Technology. The objective of the Jazz Studies program is to preserve and perpetuate jazz through instruction, performance, and research. Included in the curriculum are improvisation, arranging, composing, history, digital music, and studies relating to the music business.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSH 011, 012	Jazz Improvisation I	2
MUTO 011	Student Recital	0
MUSE 011, 012	Functional Piano	1

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
MUTO 012	Student Recital	0
MATH 006	College Algebra I	3

Sophomore Year First Semester

Item #	Title	Credits
MUSH 021, 022	Jazz Improvisation II	2
MUSI 110, 111	Jazz History I, II	3
MUSI 101	Jazz Theory I	3
MUSE 021, 022	Functional Piano	1
MUTO 021	Student Recital	0
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUSI 102	Jazz Theory II	3
MUTO 022	Student Recital	0
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUSH 031, 032	Jazz Improvisation III	2
MUSI 076	Intro to Music Technology I	1
MUTO 031	Student Recital	0
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
MUSC 008	African and Afro-American Music Literature	3
MUSI 077	Intro to Music Technology II	3
MUTO 032	Student Recital	0
MUSI 112	Jazz Seminar	3

Senior Year First Semester

Item #	Title	Credits
MUSD 051	Elementary Choral Conducting	3
MUSH 041, 042	Jazz Improvisation IV	2
MUSI 032	Intro Entertainment law	3
MUTO 041	Student Recital	0
	Physical Education Elective (options: courses under subject code HHPL)	1
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Senior Year Second Semester

Item #	Title	Credits
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
	Physical Education Elective (options: courses under subject code 1 HHPL)	1
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	Total credits:	74

Undergraduate Curriculum Guide for Bachelor of Music Major - Jazz Studies with Instrument Concentration

The Jazz Studies program develops skills in jazz performance, composition, arranging, and history; and offers an optional emphasis in Music Technology. The objective of the Jazz Studies program is to preserve and perpetuate jazz through instruction, performance, and research. Included in the curriculum are improvisation, arranging, composing, history, digital music, and studies relating to the music business

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
MUTX 111	Jazz Piano Minor I	2
	Jazz or Elective Ensemble I	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSE 111, 112	Piano Minor	2
MUSH 011, 012	Jazz Improvisation I	2
	Physical Education Elective (options: courses under subject code 1 HHPL)	1
MUTO 011	Student Recital	0

Freshman Year Second Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
MUTO 012	Student Recital	0
MUTX 112	Jazz Piano Minor IV	2
	Jazz or Elective Ensemble II	1

Sophomore Year First Semester

Item #	Title	Credits
MUSE 121, 122	Piano Minor	2
MUSH 021, 022	Jazz Improvisation II	2
MUSI 110, 111	Jazz History I, II	3
MUSI 101	Jazz Theory I	3
MUTO 021	Student Recital	0
	Jazz or Elective Ensemble III	1
ENGL 003	Freshman Composition	3

Sophomore Year Second Semester

Item #	Title	Credits
	Jazz or Elective Ensemble IV	1
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUSI 102	Jazz Theory II	3
MUTO 022	Student Recital	0
MATH 006	College Algebra I	3

Junior Year First Semester

Item #	Title	Credits
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
	Jazz or Elective Ensemble V	1
MUSH 031, 032	Jazz Improvisation III	2
MUSI 076	Intro to Music Technology I	1
MUSI 183	Jazz Arranging I	3
MUTO 031	Student Recital	0
MUTX 131	Jazz Piano Minor V	2
	Elective - 1 credit (Options: Any 1 credit course offered by the university, subject to advisor's approval)	1

Junior Year Second Semester

Item #	Title	Credits
MUSC 008	African and Afro-American Music Literature	3
MUSI 077	Intro to Music Technology II	3
MUTO 032	Student Recital	0
	Jazz or Elective Ensemble VI	1
MUSI 184	Jazz Arranging II	3

Senior Year First Semester

Item #	Title	Credits
MUSI 032	Intro Entertainment law	3
	Inst or Choral Conducting	3
MUTO 111	Qualifying Recital	0
MUTO 041	Student Recital	0
	Jazz or Elective Ensemble VII	1
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Senior Year Second Semester

Item #	Title	Credits
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
	Jazz or Elective Ensemble VIII	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	88

Undergraduate Curriculum Guide for Bachelor of Music Major - Jazz Studies with Piano Minor

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	Jazz or Elective Ensemble I	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSE 111, 112	Piano Minor	2
MUTO 011	Student Recital	0
MUTX 111	Jazz Piano Minor I	2

Freshman Year Second Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
	Jazz or Elective Ensemble II	1
MUTO 012	Student Recital	0
MUTX 112	Jazz Piano Minor IV	2

Sophomore Year First Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	Jazz or Elective Ensemble III	1
MUSE 121, 122	Piano Minor	2
MUSH 021, 022	Jazz Improvisation II	2
MUTO 021	Student Recital	0
MUSI 110, 111	Jazz History I, II	3

Sophomore Year Second Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	Jazz or Elective Ensemble IV	1
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUSI 102	Jazz Theory II	3
MUTO 022	Student Recital	0

Junior Year First Semester

Item #	Title	Credits
	Jazz or Elective Ensemble V	1
MUSH 031, 032	Jazz Improvisation III	2
MUSI 076	Intro to Music Technology I	1
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUSI 183	Jazz Arranging I	3
MUTO 031	Student Recital	0
MUTX 131	Jazz Piano Minor V	2
	Elective - 1 credit (Options: Any 1 credit course offered by the university, subject to advisor's approval)	1

Junior Year Second Semester

Item #	Title	Credits
	Jazz or Elective Ensemble VI	1
MUSC 008	African and Afro-American Music Literature	3
MUSI 077	Intro to Music Technology II	3
MUSI 184	Jazz Arranging II	3
MUTO 032	Student Recital	0

Senior Year First Semester

Item #	Title	Credits
	Jazz or Elective Ensemble VII	1
	Instrument or Choral Conducting	3
MUSI 032	Intro Entertainment law	3
MUTI 111	Jazz Workshop	1
MUTO 041	Student Recital	0
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Senior Year Second Semester

Item #	Title	Credits
	Jazz or Elective Ensemble VIII	1
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Total credits:	87

Music Major - Jazz Studies-Voice Concentration (B.M.)

The Jazz Studies program develops skills in jazz performance, composition, arranging, and history; and offers an optional emphasis in Music Technology. The objective of the Jazz Studies program is to preserve and perpetuate jazz through instruction, performance, and research. Included in the curriculum are improvisation, arranging, composing, history, digital music, and studies relating to the music business.

Type: B.M.

Type: B.M.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSH 011, 012	Jazz Improvisation I	2
MUTO 011	Student Recital	0
MUSE 011, 012	Functional Piano	1

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MUTO 012	Student Recital	0
MATH 006	College Algebra I	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
MUSH 021, 022	Jazz Improvisation II	2
MUSI 110, 111	Jazz History I, II	3
MUSI 101	Jazz Theory I	3
MUSE 021, 022	Functional Piano	1
MUTO 021	Student Recital	0
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUSI 102	Jazz Theory II	3
MUTO 022	Student Recital	0
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Junior Year First Semester

Item #	Title	Credits
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUSH 031, 032	Jazz Improvisation III	2
MUSI 076	Intro to Music Technology I	1
MUTO 031	Student Recital	0
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year Second Semester

Item #	Title	Credits
MUSC 008	African and Afro-American Music Literature	3
MUSI 077	Intro to Music Technology II	3
MUTO 032	Student Recital	0
MUSI 112	Jazz Seminar	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year First Semester

Item #	Title	Credits
MUSD 051	Elementary Choral Conducting	3
MUSH 041, 042	Jazz Improvisation IV	2
MUSI 032	Intro Entertainment law	3
MUTO 041	Student Recital	0
	Physical Education Elective (options: courses under subject code HHPL)	1
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year Second Semester

Item #	Title	Credits
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	Total credits:	101

Music Major - Jazz Studies with Instrument Concentration (B.M.)

The Jazz Studies program develops skills in jazz performance, composition, arranging, and history; and offers an optional emphasis in Music Technology. The objective of the Jazz Studies program is to preserve and perpetuate jazz through instruction, performance, and research. Included in the curriculum are improvisation, arranging, composing, history, digital music, and studies relating to the music business

Type: B.M.

Type: B.M.

Freshman Year First Semester

Item #	Title	Credits
FRSM 001	Freshman Seminar	1
MUTX 111	Jazz Piano Minor I	2
	Jazz or Elective Ensemble I	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSE 111, 112	Piano Minor	2
MUSH 011, 012	Jazz Improvisation I	2
	Physical Education Elective (options: courses under subject code HHPL)	1
MUTO 011	Student Recital	0

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MUTO 012	Student Recital	0
MUTX 112	Jazz Piano Minor IV	2
	Jazz or Elective Ensemble II	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
MUSE 121, 122	Piano Minor	2
MUSH 021, 022	Jazz Improvisation II	2
MUSI 110, 111	Jazz History I, II	3
MUSI 101	Jazz Theory I	3
MUTO 021	Student Recital	0
	Jazz or Elective Ensemble III	1
	Freshman Composition	3

Sophomore Year Second Semester

Item #	Title	Credits
	Jazz or Elective Ensemble IV	1
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUSI 102	Jazz Theory II	3
MUTO 022	Student Recital	0
MATH 006	College Algebra I	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
	Jazz or Elective Ensemble V	1
MUSH 031, 032	Jazz Improvisation III	2
MUSI 076	Intro to Music Technology I	1
MUSI 183	Jazz Arranging I	3
MUTO 031	Student Recital	0
MUTX 131	Jazz Piano Minor V	2
	Elective - 1 credit (Options: Any 1 credit course offered by the university, subject to advisor's approval)	1

Junior Year Second Semester

Item #	Title	Credits
MUSC 008	African and Afro-American Music Literature	3
MUSI 077	Intro to Music Technology II	3
MUTO 032	Student Recital	0
	Jazz or Elective Ensemble VI	1
MUSI 184	Jazz Arranging II	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
MUSI 032	Intro Entertainment law	3
MUSD 052	Advanced Choral Conducting	3
MUTO 111	Qualifying Recital	0
MUTO 041	Student Recital	0
	Jazz or Elective Ensemble VII	1
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
	Jazz or Elective Ensemble VIII	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	106

Music Therapy

Undergraduate Curriculum Guide for Bachelor of Music Major - Music Therapy - Instrument Concentration

The Music Therapy program provides the training to pass the Music Therapy Board Certification Examination. Music Therapy majors are accepted by audition as instrumental, piano or voice minors. After successful completion of all HU academic requirements (including the Piano Proficiency examination prior to their 7th semester), students must complete a Music Therapy Clinical Internship at an AMTA approved site. Approval from the program coordinator is required to begin the Internship, after which the student will be qualified to sit for the Music Therapy Board Certification Examination.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Instrument Minor I	2
	Large Ensemble I	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSE 011, 012	Functional Piano	1
MUSJ 101	Music Therapy I	3
MUTO 011	Student Recital	0

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	Instrument Minor II	2
	Large Ensemble II	1
MUSJ 110	Methods and Techniques in Music Therapy	2
MUSJ 111	Practicum I	0
MUSO 100	Guitar Instruction	1
MUTO 012	Student Recital	0

Sophomore Year First Semester

Item #	Title	Credits
	Instrument Minor III	2
	Large Ensemble III	1
MUSB 011 (I), 012 (II)	Advanced Ear Training and Sight Singing	2
MUSB 041 (I), 042 (II)	Advanced Harmony, (I, II)	3
MUSE 021, 022	Functional Piano	1
MUSJ 102	Music Therapy II	3
MUSJ 103	Practicum II	0
MUTO 021	Student Recital	0
MUSI 110, 111	Jazz History I, II	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	Instrument Minor IV	2
	Large Ensemble IV	1
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUTO 022	Student Recital	0
SOCI 001	Introduction to Sociology	3

Junior Year First Semester

Item #	Title	Credits
	Physical Education Elective (options: courses under subject code HHPL)	1
	Instrument Minor V	2
	Small Ensemble I	1
MUSB 016/116	Keyboard Harmony	2
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUSJ 120	Psychology of Music	3
MUTO 031	Student Recital	0
PSYC 116	Abnormal Psychology	3
SEED 150	Survey and Education of Exceptional Children	3

Junior Year Second Semester

Item #	Title	Credits
HHPL 102	Human Anatomy (Majors only)	3
	Instrument Minor VI	2
	Small Ensemble II	1
MUSC 008	African and Afro-American Music Literature	3
MUSJ 107, 108	Guitar Techniques for Music Therapy	2
MUSJ 115	Influence of Music on Behavior	3
MUTO 112	Senior Recital	0
MUSD 058	Instrumental Conducting	3

Senior Year First Semester

Item #	Title	Credits
ANTH 110	Introduction to Cultural Anthropology	3
MUSB 103	Orchestration	3
MUSD 019	Percussion Instruments	1
MUSJ 121	Senior Practicum	2
MUTO 041	Student Recital	0
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
SOCI 020	Introduction to Social Psychology	3

Senior Year Second Semester

Item #	Title	Credits
MUSJ 135	Music Therapy Internship	1
Total credits:		104

Undergraduate Curriculum Guide for Bachelor of Music Major - Music Therapy-Piano Concentration

The Music Therapy program provides the training to pass the Music Therapy Board Certification Examination. Music Therapy majors are accepted by audition as instrumental, piano or voice minors. After successful completion of all HU academic requirements (including the Piano Proficiency examination prior to their 7th

semester), students must complete a Music Therapy Clinical Internship at an AMTA approved site. Approval from the program coordinator is required to begin the Internship, after which the student will be qualified to sit for the Music Therapy Board Certification Examination.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Instrument Minor I	2
	Large Ensemble I	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSJ 101	Music Therapy I	3
MUTO 011	Student Recital	0

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	Instrument Minor II	2
	Large Ensemble II	1
MUSJ 110	Methods and Techniques in Music Therapy	2
MUSJ 111	Practicum I	0
MUSO 100	Guitar Instruction	1
MUTO 012	Student Recital	0

Sophomore Year First Semester

Item #	Title	Credits
	Instrument Minor III	2
	Large Ensemble III	1
MUSB 011 (I), 012 (II)	Advanced Ear Training and Sight Singing	2
MUSB 041 (I), 042 (II)	Advanced Harmony, (I, II)	3
MUSJ 102	Music Therapy II	3
MUSJ 103	Practicum II	0
MUTO 021	Student Recital	0
MUSI 110, 111	Jazz History I, II	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	Instrument Minor IV	2
	Large Ensemble IV	1
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUSD 019	Percussion Instruments	1
MUTO 022	Student Recital	0
SOCI 001	Introduction to Sociology	3

Junior Year First Semester

Item #	Title	Credits
	Physical Education Elective (options: courses under subject code HHPL)	1
	Instrument Minor V	2
	Small Ensemble I	1
MUSB 016/116	Keyboard Harmony	2
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUSJ 120	Psychology of Music	3
MUTO 031	Student Recital	0
PSYC 116	Abnormal Psychology	3
SEED 150	Survey and Education of Exceptional Children	3

Junior Year Second Semester

Item #	Title	Credits
	Anatomy Lab	1
	Instrument Minor VI	2
	Small Ensemble II	1
MUSC 008	African and Afro-American Music Literature	3
MUSJ 107, 108	Guitar Techniques for Music Therapy	2
MUSJ 115	Influence of Music on Behavior	3
MUTO 112	Senior Recital	0
	Inst or Choral Conducting	3

Senior Year First Semester

Item #	Title	Credits
ANTH 110	Introduction to Cultural Anthropology	3
MUSB 103	Orchestration	3
	Ensemble Elective	3
MUSI 076	Intro to Music Technology I	1
MUSJ 121	Senior Practicum	2
MUTO 041	Student Recital	0
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
SOCI 020	Introduction to Social Psychology	3

Senior Year Second Semester

Item #	Title	Credits
MUSJ 135	Music Therapy Internship	1
Total credits:		104

Music Major - Music Therapy - Instrument Concentration (B.M.)

The Music Therapy program provides the training to pass the Music Therapy Board Certification Examination. Music Therapy majors are accepted by audition as instrumental, piano or voice minors. After successful completion of all HU academic requirements (including the Piano Proficiency examination prior to their 7th semester), students must complete a Music Therapy Clinical Internship at an AMTA approved site. Approval from the program coordinator is required to begin the Internship, after which the student will be qualified to sit for the Music Therapy Board Certification Examination.

Type: B.M.

Type: B.M.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Instrument Minor I	2
	Large Ensemble I	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSE 011, 012	Functional Piano	1
MUSI 101	Jazz Theory I	3
MUTO 011	Student Recital	0

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	Instrument Minor II	2
	Large Ensemble II	1
MUSI 110, 111	Jazz History I, II	3
MUSI 110, 111	Jazz History I, II	3
MUSO 100	Guitar Instruction	1
MUTO 012	Student Recital	0

Sophomore Year First Semester

Item #	Title	Credits
	Instrument Minor III	2
	Large Ensemble III	1
MUSB 011 (I), 012 (II)	Advanced Ear Training and Sight Singing	2
MUSB 041 (I), 042 (II)	Advanced Harmony, (I, II)	3
MUSE 021, 022	Functional Piano	1
MUSI 102	Jazz Theory II	3
MUSI 103	Practicum II	0
MUTO 021	Student Recital	0
MUSI 110, 111	Jazz History I, II	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	Instrument Minor IV	2
	Large Ensemble IV	1
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUTO 022	Student Recital	0
SOCI 001	Introduction to Sociology	3

Junior Year First Semester

Item #	Title	Credits
	Physical Education Elective (options: courses under subject code HHPL)	1
	Instrument Minor V	2
	Large Ensemble V	1
MUSB 016/116	Keyboard Harmony	2
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUSJ 120	Psychology of Music	3
MUTO 031	Student Recital	0
PSYC 116	Abnormal Psychology	3
SEED 150	Survey and Education of Exceptional Children	3

Junior Year Second Semester

Item #	Title	Credits
HHPL 102	Human Anatomy (Majors only)	3
	Instrument Minor VI	2
	Large Ensemble VI	1
MUSC 008	African and Afro-American Music Literature	3
MUSJ 107, 108	Guitar Techniques for Music Therapy	2
MUSJ 115	Influence of Music on Behavior	3
MUTO 112	Senior Recital	0
MUSD 058	Instrumental Conducting	3

Senior Year First Semester

Item #	Title	Credits
ANTH 110	Introduction to Cultural Anthropology	3
MUSB 103	Orchestration	3
MUSD 019	Percussion Instruments	1
MUSJ 121	Senior Practicum	2
MUTO 041	Student Recital	0
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
SOCI 020	Introduction to Social Psychology	3

Senior Year Second Semester

Item #	Title	Credits
MUSJ 135	Music Therapy Internship	1
Total credits:		108

Music Major - Music Therapy- Piano Concentration (B.M.)

The Music Therapy program provides the training to pass the Music Therapy Board Certification Examination. Music Therapy majors are accepted by audition as instrumental, piano or voice minors. After successful completion of all HU academic requirements (including the Piano Proficiency examination prior to their 7th semester), students must complete a Music Therapy Clinical Internship at an AMTA approved site. Approval from the program coordinator is required to begin the Internship, after which the student will be qualified to sit for the Music Therapy Board Certification Examination.

Type: B.M.

Type: B.M.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Instrument Minor I	2
	Large Ensemble I	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSJ 101	Music Therapy I	3
MUTO 011	Student Recital	0

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	Instrument Minor II	2
	Large Ensemble II	1
MUSJ 110	Methods and Techniques in Music Therapy	2
MUSJ 111	Practicum I	0
MUSO 100	Guitar Instruction	1
MUTO 012	Student Recital	0

Sophomore Year First Semester

Item #	Title	Credits
	Instrument Minor III	2
	Large Ensemble III	1
MUSB 011 (I), 012 (II)	Advanced Ear Training and Sight Singing	2
MUSB 041 (I), 042 (II)	Advanced Harmony, (I, II)	3
MUSJ 102	Music Therapy II	3
MUSJ 103	Practicum II	0
MUTO 021	Student Recital	0
MUSI 110, 111	Jazz History I, II	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	Instrument Minor IV	2
	Large Ensemble IV	1
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUSD 019	Percussion Instruments	1
MUTO 022	Student Recital	0
SOCI 001	Introduction to Sociology	3

Junior Year First Semester

Item #	Title	Credits
	Physical Education Elective (options: courses under subject code HHPL)	1
	Instrument Minor V	2
	Large Ensemble V	1
MUSB 016/116	Keyboard Harmony	2
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUSJ 120	Psychology of Music	3
MUTO 031	Student Recital	0
PSYC 116	Abnormal Psychology	3
SEED 150	Survey and Education of Exceptional Children	3

Junior Year Second Semester

MUSD 052 or 058

Item #	Title	Credits
HHPL 108	Human Anatomy Laboratory	3
	Instrument Minor IV	2
	Large Ensemble VI	1
MUSC 008	African and Afro-American Music Literature	3
MUSJ 107, 108	Guitar Techniques for Music Therapy	2
MUSJ 115	Influence of Music on Behavior	3
MUTO 112	Senior Recital	0
MUSD 052	Advanced Choral Conducting	3

Senior Year First Semester

Item #	Title	Credits
ANTH 110	Introduction to Cultural Anthropology	3
MUSB 103	Orchestration	3
	Ensemble Elective	3
MUSI 076	Intro to Music Technology I	1
MUSJ 121	Senior Practicum	2
MUTO 041	Student Recital	0
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
SOCI 020	Introduction to Social Psychology	3

Senior Year Second Semester

Item #	Title	Credits
MUSJ 135	Music Therapy Internship	1
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	112

Voice

Undergraduate Curriculum Guide for Performance – Voice

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSE 011, 012	Functional Piano	1
MUSG 211, 212	Voice Major	3
MUSG 156	Diction for Singers I	2
MUTL 011, 012	University Choir	1
MUTO 011	Student Recital	0

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
MATH 006	College Algebra I	3
MUTO 012	Student Recital	0

Sophomore Year First Semester

Item #	Title	Credits
MUSB 011 (I), 012 (II)	Advanced Ear Training and Sight Singing	2
MUSB 041 (I), 042 (II)	Advanced Harmony, (I, II)	3
MUSE 021, 022	Functional Piano	1
MUSC 005	Music Literature to 1600	3
MUTO 021	Student Recital	0
MUTL 021, 022	University Choir	1
MUSG 221, 222	Voice Major	3
GERM 001	German I	3

Sophomore Year Second Semester

Item #	Title	Credits
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUTO 022	Student Recital	0
GERM 002	German II	3

Junior Year First Semester

Item #	Title	Credits
MUSG 155	Solo Vocal Literature	3
MUSG 171	Opera Ensemble Workshop I	1
MUSG 231, 232	Voice Major	3
MUTL 031, 032	University Choir	1
MUSB 124	Form and Analysis	3
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUTO 031	Student Recital	0
	Physical Education Elective (options: courses under subject code 1 HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
MUSB 043	Counterpoint	3
MUSB 016/116	Keyboard Harmony	2
MUSG 157	Diction for Singers II	2
MUSG 172	Opera Ensemble Workshop II	1
MUSC 008	African and Afro-American Music Literature	3
MUTO 032	Student Recital	0
MUTO 111	Qualifying Recital	0

Senior Year First Semester

Item #	Title	Credits
MUTO 041	Student Recital	0
MUSG 173	Opera Ensemble Workshop III	1
MUSG 241, 242	Voice Major	3
MUSI 076	Intro to Music Technology I	1
MUTL 041, 042	University Choir	1
THAC 020	Introduction to Acting: For Non-Majors	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
MUSG 174	Opera Ensemble Workshop IV	1
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	87

Performance – Voice (B.M.)

The undergraduate curricula and course schemes are designed to be completed in four years of full-time, fall-and-spring-semester study. Students enroll in a broad spectrum of classes and performing ensembles to help them become knowledgeable and highly skilled professional musicians.

Type: B.M.

Type: B.M.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
MUSB 003 (I), 004 (II)	Elementary Ear Training and Sight Singing	2
MUSB 021 (I), 022 (II)	Elementary Harmony, (I, II)	3
MUSE 011, 012	Functional Piano	1
MUSG 211, 212	Voice Major	3
MUSG 156	Diction for Singers I	2
MUTL 011, 012	University Choir	1
MUTO 011	Student Recital	0

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 006	College Algebra I	3
MUTO 012	Student Recital	0

Sophomore Year First Semester

Item #	Title	Credits
MUSB 011 (I), 012 (II)	Advanced Ear Training and Sight Singing	2
MUSB 041 (I), 042 (II)	Advanced Harmony, (I, II)	3
MUSE 021, 022	Functional Piano	1
MUSC 005	Music Literature to 1600	3
MUTO 021	Student Recital	0
MUTL 021, 022	University Choir	1
MUSG 221, 222	Voice Major	3
GERM 001	German I	3

Sophomore Year Second Semester

Item #	Title	Credits
MUSC 006	Music Literature of the Baroque and Classical Periods	3
MUTO 022	Student Recital	0
GERM 002	German II	3

Junior Year First Semester

Item #	Title	Credits
MUSG 155	Solo Vocal Literature	3
MUSG 171	Opera Ensemble Workshop I	1
MUSG 231, 232	Voice Major	3
MUTL 031, 032	University Choir	1
MUSB 124	Form and Analysis	3
MUSC 007	Music Literature of the Nineteenth and Twentieth Centuries	3
MUTO 031	Student Recital	0
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
MUSB 043	Counterpoint	3
MUSB 016/116	Keyboard Harmony	2
MUSG 157	Diction for Singers II	2
MUSG 172	Opera Ensemble Workshop II	1
MUSC 008	African and Afro-American Music Literature	3
MUTO 032	Student Recital	0
MUTO 111	Qualifying Recital	0

Senior Year First Semester

Item #	Title	Credits
MUTO 041	Student Recital	0
MUSG 173	Opera Ensemble Workshop III	1
MUSG 241, 242	Voice Major	3
MUSI 076	Intro to Music Technology I	1
MUTL 041, 042	University Choir	1
THAC 020	Introduction to Acting: For Non-Majors	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
MUTO 042	Student Recital	0
MUTO 112	Senior Recital	0
MUSG 174	Opera Ensemble Workshop IV	1
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	93

Philosophy

Philosophy (B.A.)

A major in philosophy broadens the mind and widens your horizon. It enables students to deal with the fundamental questions of existence by giving them the tools of critical thinking. Philosophy graduates have pursued and are pursuing degrees at the graduate level and in professional schools in fields such as law, mathematics and medicine

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
AFRO 005	Introduction to Africana Studies I	3
	Freshman Composition	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
FRSM 001	Freshman Seminar	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Philosophy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	PHIL 175/151	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
	Mathematics Elec (Options: Courses under code MATH)	3
PHIL 110	Classical Ethics	3
PHIL 150	Epistemology	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
PHIL 179	History of Africana Philosophy	3
	HIST 005/006	6
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Senior Seminar (or other Phil.)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Total credits:	123

Undergraduate Curriculum Guide for Philosophy B.A. Program

A major in philosophy broadens the mind and widens your horizon. It enables students to deal with the fundamental questions of existence by giving them the tools of critical thinking. Philosophy graduates have pursued and are pursuing degrees at the graduate level and in professional schools in fields such as law, mathematics and medicine

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
AFRO 005	Introduction to Africana Studies I	3
	Freshman Composition	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
FRSM 001	Freshman Seminar	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Philosophy (Below 100)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	PHIL 175/151	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	Mathematics Elec (Options: Courses under code MATH)	3
PHIL 110	Classical Ethics	3
PHIL 150	Epistemology	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
PHIL 179	History of Africana Philosophy	3
	HIST 005/006	6
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Senior Seminar (or other Phil.)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Total credits:	120

Physics

Physics (B.S.)

The undergraduate degree in physics is a program created to prepare students to enter graduate studies in physics or to pursue alternative careers in education, industry, medicine, etc.

IMPORTANT: + 3 Directed Readings can be replaced by one computer/electronic 3-credit course PHYS 702 Satisfies Writing Across the Curriculum (WAC) requirement Seminar or Elective is Computer/Computational Physics course

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
PHYS 013	General Physics for Science and Engineering Students	3
	Freshman Composition	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
PHYS 014	General Physics for Science and Engineering Students	3
	Freshman Composition	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
PHYS 015	Introduction to Modern Physics	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
PHYS 175	Thermodynamics	3
SLMC 101	Principles of Speech.	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
PHYS 084, 085	Directed Readings in Honors for Sophomores	2

Junior Year First Semester

Item #	Title	Credits
PHYS 182, 183	Physical Mechanics	6
PHYS 178, 179	Electricity and Magnetism	6
CHEM 003	General Chemistry and Recitation	4
	Divisional Studies B - Social Sciences Elective* open to Freshmen 3 (Options: see Elective Group Descriptions)	
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
PHYS 088, 089	Directed Readings in Honors for Juniors	2

Junior Year Second Semester

Item #	Title	Credits
PHYS 190, 191	Quantum Physics I & II	6
	Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen 3 (Options: see Elective Group Descriptions)	
	Philosophy	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Hon. Thesis (opt) or PHYS Elect.	1
	Seminar or Elective**	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Total credits:	120

Undergraduate Curriculum Guide for the Physics Major (B.S.)

IMPORTANT: + 3 Directed Readings can be replaced by one computer/electronic 3-credit course

PHYS 702 Satisfies Writing Across the Curriculum (WAC) requirement

Seminar or Elective is Computer/Computational Physics course

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
PHYS 013	General Physics for Science and Engineering Students	3
	Freshman Composition	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
PHYS 014	General Physics for Science and Engineering Students	3
	Freshman Composition	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
PHYS 015	Introduction to Modern Physics	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
PHYS 175	Thermodynamics	3
SLMC 101	Principles of Speech.	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	PHYS 084/085	1

Junior Year First Semester

Item #	Title	Credits
PHYS 182, 183	Physical Mechanics	6
PHYS 178, 179	Electricity and Magnetism	6
CHEM 003	General Chemistry and Recitation	4
	Divisional Studies B - Social Sciences Elective* open to Freshmen 3 (Options: see Elective Group Descriptions)	
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	PHYS 088/089	1

Junior Year Second Semester

Item #	Title	Credits
PHYS 190, 191	Quantum Physics I & II	6
	Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen 3 (Options: see Elective Group Descriptions)	
	Philosophy	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Hon. Thesis (opt) or PHYS Elect.	1
	Seminar or Elective**	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Total credits:	103

Political Science

Political Science (B.A.)

A major in political science enables students to acquire a systematic understanding of the formal and informal political process at all levels, in preparation for a career or graduate study. The program prepares students for careers in government, teaching, and research, and for further study in professional and graduate fields such as law, social work, journalism, business and public administration, and public affairs.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
POLS 001	Introduction to Political Science	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
MATH 006	College Algebra I	3
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
POLS 010	The National Government of the United States	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
POLS 002	Introduction to Research in Political Science	3
SLMC 101	Principles of Speech.	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Writing Course	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

POLS 189, 191, 192, or 193

Item #	Title	Credits
POLS 189	Black Political Theory	3
PHIL 055	Introduction to Philosophy	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Health Sciences Elective (Options: Courses in code HLMN)	1

Junior Year Second Semester

Item #	Title	Credits
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	121

Undergraduate Curriculum Guide for Political Science Major (B.A.)

A major in political science enables students to acquire a systematic understanding of the formal and informal political process at all levels, in preparation for a career or graduate study. The program prepares students for careers in government, teaching, and research, and for further study in professional and graduate fields such as law, social work, journalism, business and public administration, and public affairs.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
POLS 001	Introduction to Political Science	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
MATH 006	College Algebra I	3
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
POLS 010	The National Government of the United States	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
POLS 002	Introduction to Research in Political Science	3
SLMC 101	Principles of Speech.	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Writing Course	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	Political Theory Course (Options: Courses in code POLS)	3
	Philosophy	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Health Sciences Elective (Options: Courses in code HLMN)	1

Junior Year Second Semester

Item #	Title	Credits
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Political Science Major Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	Minor Concentration Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	118

Psychology

Psychology (B.S.)

A major in psychology gives students the opportunity to study the field through examination of significant experiments, theories, and applications. Knowledge of psychology is an important component of a liberal education, in addition to its value in preparing you for graduate work in psychology and related fields. This major will prepare students for an entry-level position in many corporations and government agencies.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Freshman Composition	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
PSYC 125	General Social Psychology	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Freshman Composition	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
PSYC 051	Experimental Psychology	4
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
PSYC 063	Research methods and Statistics,	4
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Writing Course	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
PSYC 064	Research Methods and Statistics II	4
PHIL 055	Introduction to Philosophy	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
PSYC 110	Brain and Behavior	3
SLMC 101	Principles of Speech.	3
	Minor Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	PSYC 119 or PSYC 102 or PSYC 105	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Major Elective/Senior Research (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor/General Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	122

Undergraduate Curriculum Guide for Psychology B.S. Degree Program

A major in psychology gives students the opportunity to study the field through examination of significant experiments, theories, and applications. Knowledge of psychology is an important component of a liberal education, in addition to its value in preparing you for graduate work in psychology and related fields. This major will prepare students for an entry-level position in many corporations and government agencies.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Freshman Composition	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
PSYC 125	General Social Psychology	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Freshman Composition	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
PSYC 051	Experimental Psychology	4
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
PSYC 063	Research methods and Statistics,	4
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Writing Course	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
PSYC 064	Research Methods and Statistics II	4
	Philosophy	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
PSYC 110	Brain and Behavior	3
SLMC 101	Principles of Speech.	3
	Minor Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
	PSYC 119 or PSYC 102 or PSYC 105	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Major Elective/Senior Research (Options: To be determined in consultation with advisor)	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor/General Elective (Options: To be determined in consultation with advisor)	3
	Minor Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	119

Sociology

Sociology (B.A.)

Sociology is the study of social life and the social causes and consequences of human behavior. The Sociology undergraduate program offers courses such as research methods, statistics, theory, computer based social science research and social organization and demographic analysis. This goal of this program is to equip students for employment in a wide range of occupational fields in the public and private sector, such as social research, the health professions, business, social service, and data processing. Sociology is a popular undergraduate major for students planning to further studies in such professions as law, business, education, social work and public administration.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
SOCI 001	Introduction to Sociology	3
FRSM 001	Freshman Seminar	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	Writing Course	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
PHIL 055	Introduction to Philosophy	3
MATH 007	Precalculus	4
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Major Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
SOCI 020	Introduction to Social Psychology	3
SLMC 101	Principles of Speech.	3
SOCI 110	Elementary Statistics	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SOCI 100	Social Theory and Society	3
SOCI 111	Sociological Methods	3
	Sociology Elective	3
	Sociology Elective	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	ANTH 120/110	3
	Sociology Elective	3
	Sociology Elective	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Total credits:	120

Undergraduate Curriculum Guide for the Sociology B.A. Degree Program

Sociology is the study of social life and the social causes and consequences of human behavior. The Sociology undergraduate program offers courses such as research methods, statistics, theory, computer based social science research and social organization and demographic analysis. This goal of this program is to equip students for employment in a wide range of occupational fields in the public and private sector, such as social research, the health professions, business, social service, and data processing. Sociology is a popular undergraduate major for students planning to further studies in such professions as law, business, education, social work and public administration.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
SOCI 001	Introduction to Sociology	3
FRSM 001	Freshman Seminar	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
MATH 006	College Algebra I	3
	Writing Course	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	Philosophy	3
MATH 007	Precalculus	4
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Major Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
SOCI 020	Introduction to Social Psychology	3
SLMC 101	Principles of Speech.	3
SOCI 110	Elementary Statistics	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
	SOCI 100/700	3
	Sociological Methods	3
	Sociology Elective	3
	Sociology Elective	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	ANTH 120/110	3
	Sociology Elective	3
	Sociology Elective	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Total credits:	117

Theatre Arts

Acting (B.F.A.)

The Department of Theatre Arts is committed to the training of knowledgeable theatre artists, theorists, historians, and teachers in the theatre arts. The Department is dedicated to the principle of developing the highest quality of theatre art, and to the serious investigation and perpetuation of the experiences and aesthetics of Black theatre.

Objectives

1. To train and educate theatre artist-scholars by providing students with a broad-based foundation of theatre process and practice.
2. To provide students with diverse theatre experiences and to investigate and perpetuate the aesthetics of African-American theatre.
3. To provide students with a knowledge of and appreciation for related Fine and Performing Arts disciplines and how they are integrated into the practice of theatre.
4. To provide students with the basic techniques necessary for performance in theatre, film and television. The curriculum for each area of concentration is administered by an Area Coordinator who is appointed by the Chairman of the Department. Students enrolled in a Theatre Arts program shall be advised by the appropriate Area Coordinator. All Theatre Arts students must officially declare an area of concentration and successfully complete an audition and/or interview in that area.

IMPORTANT: FRSM 001 required for new entrants only, all others must satisfy this credit hour with an elective.

Basic Stagecraft course only offered in the Spring semester.

+ Students must check with advisor for honors course equivalents

Type: B.F.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
THAC 021	Acting: Techniques I	3
THAC 014	Voice for the Stage	3
THAC 025	Movement for the Stage	3
THFD 080	Play Analysis	3
THDN 053	Fund. of Dance I	2
	Freshman Composition	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
THAC 022	Acting: Techniques II	3
THAC 015	Diction for the Stage	3
THAC 054	Fund. of Dance II	2
THTT 058	Tech Production I	3
	Freshman Composition	3
THFD 081	Play Reading	3

Sophomore Year First Semester

Item #	Title	Credits
THAC 023	Acting: Techniques III	3
THFD 180	Theatre History I	3
	PSYC 050 or SOCI 030	3
THTT 057	Stage Make-up/Lab	3
THTT 156	Stage Management	3
MATH 006	College Algebra I	3

Sophomore Year Second Semester

Item #	Title	Credits
THAC 024	Acting: Techniques IV	3
THFD 181	Theatre History II	3
THTT 059	Tech Production II	3
	THTT 053 or THTT 052 or THTT 051	3
THAC 030	Beginning Directing	3
THFD 186	Honors Directed Studies	3

Junior Year First Semester

Item #	Title	Credits
THAC 120	Acting: Character Study	3
ARTH 161	Art Appreciation	3
ENGL 104	Sophomore Seminar I: Introduction to English Studies	3
	THTT 052 or THTT 051 or THTT 053	3

Junior Year Second Semester

Item #	Title	Credits
THAC 121	Acting: Scene Study	3
THAC 017	Speech for the Microphone	3
ENGL 015	Introduction to Humanities II	3
	Shakespeare/Actors	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
THAC 122	Acting: Styles I	3
THAC 211	Acting for Film and TV (I)	3
PHIL 055	Introduction to Philosophy	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Rehearsal & Performance/Lab	6
MUTP 100	Blacks in the Arts	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
Total credits:		122

Dance Arts (B.F.A.)

The Department of Theatre Arts is committed to the training of knowledgeable theatre artists, theorists, historians, and teachers in the theatre arts. The Department is dedicated to the principle of developing the highest quality of theatre art, and to the serious investigation and perpetuation of the experiences and aesthetics of Black theatre.

Objectives

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3. To provide students with a knowledge of and appreciation for related Fine and Performing Arts disciplines and how they are integrated into the practice of theatre.
4. To provide students with the basic techniques necessary for performance in theatre, film and television. The curriculum for each area of concentration is administered by an Area Coordinator who is appointed by the Chairman of the Department. Students enrolled in a Theatre Arts program shall be advised by the appropriate Area Coordinator. All Theatre Arts students must officially declare an area of concentration and successfully complete an audition and/or interview in that area.

IMPORTANT: *Recommended Course – ENGL 009 Technical Writing Pre-Professional

Humanities Elective — See approved list of Division A courses

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
THDN 049	Maj/Mn Dance Orient I	2
FRSM 001	Freshman Seminar	1
THAC 014	Voice for the Stage	3
	Freshman Composition	3
MATH 006	College Algebra I	3
	Foreign Language I	3

Freshman Year Second Semester

Item #	Title	Credits
THDN 090	Maj/Mn Dance Orient II	2
	Freshman Composition	3
ARTH 161	Art Appreciation	3
THTT 051	Basic Stage Lighting	3
THDN 200	Dance/Theatre Practicum	2
	Foreign Language II	3

Sophomore Year First Semester

Item #	Title	Credits
THDN 007	Ballet I (Dance Mjrs)	2
THDN 001	Modern Dance Technique I	2
ENGL 009	Technical Writing, Pre-Professional	3
THTT 053	Costume for the Theatre	3
THMT 041		3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Sophomore Year Second Semester

Item #	Title	Credits
THDN 008	Ballet II	2
THDN 002	Modern Dance Technique II	2
THTT 156	Stage Management	3
THDN 015	African Dance I	2
	Nutrition	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Junior Year First Semester

Item #	Title	Credits
THDN 009	Ballet III	2
THDN 003	Modern Dance Technique III	2
THDN 016	African Dance II	2
THDN 039	Artist and Dance Experience I	2
THMT 067	Beginning Jazz	2
THDN 021	Dance Composition I	2

Junior Year Second Semester

Item #	Title	Credits
THDN 004	Modern Dance Technique IV	2
THDN 022	Dance Composition II	2
THDN 046	African Dance III	2
THDN 040	Artist and Dance Experience II	2
	PSYC 050 or SOCI 020	3
THDN 072	Dance Major Movement Tech.	2
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Senior Year Second Semester

Item #	Title	Credits
	Theatre Electives (6 Credits)	6
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	120

Theatre Arts Administration (B.F.A.)

The Department of Theatre Arts is committed to the training of knowledgeable theatre artists, theorists, historians, and teachers in the theatre arts. The Department is dedicated to the principle of developing the highest quality of theatre art, and to the serious investigation and perpetuation of the experiences and aesthetics of Black theatre.

Objectives

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4. To provide students with the basic techniques necessary for performance in theatre, film and television. The curriculum for each area of concentration is administered by an Area Coordinator who is appointed by the Chairman of the Department. Students enrolled in a Theatre Arts program shall be advised by the appropriate Area Coordinator. All Theatre Arts students must officially declare an area of concentration and successfully complete an audition and/or interview in that area.

FRSM 001 REQUIRED FOR NEW ENTRANTS ONLY, HOWEVER, ALL OTHERS MUST SATISFY THIS CREDIT HOUR REQUIREMENT WITH AN ELECTIVE.

THTT 052 Course offered in the SPRING SEMESTER ONLY.

^ALL THEATRE ARTS ADMINISTRATION MAJORS ARE REQUIRED TO SERVE AS AN ASSISTANT STAGE MANAGER and/or A STAGE MANAGER AT LEAST ONCE PRIOR TO GRADUATION.

NOTE: Many of the courses listed have laboratory hours. Laboratory hours allow for practical application of the theoretical approach addressed in both classroom exercise and lectures. Lab hours vary depending on the expectations and/or demands of the class/production. All students should anticipate committing additional time outside of classroom instruction for Lab work.

+Honors Students are required to take THFD-186 – Directed Study AND ++THFD-187 Honors Thesis

*RESTRICTED ELECTIVES: HUCO-410 Conflict Mgmt & Negotiation Strategy; JOUR-206 Intro. To Advertising; THFD-081 Play Reading;

THTA-206 Entrepreneurship in the Entertainment Industry; MKTG-360 Computer Applications in Marketing; MKTG-370 Services Marketing

Elective/Hnr.s Course JUNIOR OR SENIOR LEVEL STUDENT ONLY OR WITH CONSENT OF COURSE INSTRUCTOR.

NOTE: STUDENTS ARE RESPONSIBLE FOR THE TOTAL NUMBER OF HOURS FOR GRADUATION. IF A COURSE IS NOT OFFERED, THE STUDENT MUST MAKE-UP THE HOURS IN COURSES APPROVED BY THE COORDINATOR. STUDENTS MUST FOLLOW THE CURRICULUM SCHEME AS PRINTED OR THEY MAY JEOPARDIZE THEIR GRADUATING WITHIN A 4-YEAR TIME PERIOD.

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
THTA 090	Introduction to Theatre Management I	3
THTT 058	Tech Production I	3
ECON 001	Principles of Economics I	3
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
THFD 080	Play Analysis	3

Freshman Year Second Semester

Item #	Title	Credits
THTA 091	Introduction to Theatre Management II	3
	Freshman Composition	3
THTT 059	Tech Production II	3
	THTT 052 or THTT 051 or THTT 053	3
ECON 002	Principles of Economics II	3

Sophomore Year First Semester

Item #	Title	Credits
THAC 020	Introduction to Acting: For Non-Majors	3
THTA 001, 002, 003, 004, 005	Theatre Arts Admin Laba I - V	5
ACCT 201	Accounting Principles I	3
THDN 300	Dance for Non-Majors	2
ECON 180	Statistics for Business and Economics	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Sophomore Year Second Semester

Item #	Title	Credits
THPD 030	Begin. Directing	3
ENGL 009	Technical Writing, Pre-Professional	3
HUCO 101	Principles of Speech	3
	THTT 052 or THTT 051 or THTT 053	3
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year First Semester

Item #	Title	Credits
THFD 180	Theatre History I	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
	THTT 052 or THTT 051 or THTT 053	3
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year Second Semester

Item #	Title	Credits
THFD 181	Theatre History II	3
	General Elective (Options: To be determined in consultation with advisor)	3
ARTH 161	Art Appreciation	3
RTVF 231	Introduction to Media Production	3
	PSYC 050 or SOCI 020	3

Senior Year First Semester

Item #	Title	Credits
MUSI 232	Intro to Enter. Law	3
	Restricted Elec./Hnr. Course	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year Second Semester

Item #	Title	Credits
MUTP 100	Blacks in the Arts	3
	Elective/Hnrs. Course	3
	THTA 089 or PSYC 050	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	125

Theatre Technology (B.F.A.)

The Department of Theatre Arts is committed to the training of knowledgeable theatre artists, theorists, historians, and teachers in the theatre arts. The Department is dedicated to the principle of developing the highest quality of theatre art, and to the serious investigation and perpetuation of the experiences and aesthetics of Black theatre.

Objectives

1. To train and educate theatre artist-scholars by providing students with a broad-based foundation of theatre process and practice.
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4. To provide students with the basic techniques necessary for performance in theatre, film and television. The curriculum for each area of concentration is administered by an Area Coordinator who is appointed by the Chairman of the Department. Students enrolled in a Theatre Arts program shall be advised by the appropriate Area Coordinator. All Theatre Arts students must officially declare an area of concentration and successfully complete an audition and/or interview in that area.

*One Theatre Practicum class must be taken EVERY semester the student is enrolled (except the semesters that the classes in Technical Production and Drama Internship are being taken).

FRSM 001 REQUIRED FOR NEW ENTRANTS ONLY, HOWEVER, ALL OTHERS MUST SATISFY THIS CREDIT HOUR REQUIREMENT WITH AN ELECTIVE.

^All three courses: BASIC STAGE LIGHTING, COSTUME FOR THE STAGE, and BASIC STAGECRAFT are required, but they can be taken in any order.

NOTE: Students are responsible for the total number of hours. Theatre Technology students are required to present their portfolios for faculty review EACH semester.

***Those students participating in the Honors program must take THFD-186 (1 credit) Honors Directed Studies in their Junior year and THFD-187 (3 credits) Honors Thesis in their Senior year.

~It is recommended that the course: Drama Internship in Technical Theatre be taken during the summer prior to the Junior or Senior year.

SUGGESTED ELECTIVES: An additional College Algebra course, Drawing I, Intro to Photography, Interior Design, Fashion Design, Computers in the Arts, Fundraising for the Arts, an additional Social Science, additional Foreign Language, and an Interdisciplinary Course.

Type: B.F.A.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
THTT 058	Tech Production I	3
THDN 300	Dance for Non-Majors	2
THFD 080	Play Analysis	3
FRSM 001	Freshman Seminar	1
	Freshman Composition	3
MATH 006	College Algebra I	3

Freshman Year Second Semester

Item #	Title	Credits
	THTT 052 or THTT 051 or THTT 053	3
THTT 059	Tech Production II	3
THFD 081	Play Reading	3
	Freshman Composition	3
MUTP 100	Blacks in the Arts	3

Sophomore Year First Semester

Item #	Title	Credits
THTT 001	Theatre Practicum I: Rehearsal and Performance	1
	THTT 052 or THTT 051 or THTT 053	3
THFD 180	Theatre History I	3
THAC 020	Introduction to Acting: For Non-Majors	3
ARTH 161	Art Appreciation	3
	Foreign Language I	3

Sophomore Year Second Semester

Item #	Title	Credits
THTT 002, 003, 004, 005, 006, 007	Theatre Practicum II-VII	6
	THTT 052 or THTT 051 or THTT 053	3
THTT 057	Stage Make-up/Lab	3
THFD 181	Theatre History II	3
THAC 030	Beginning Directing	3
	Foreign Language II	3

Junior Year First Semester

Item #	Title	Credits
THTT 154	Design I	3
THFD 040	Playwriting I	3
THTT 051	Basic Stage Lighting	3
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year Second Semester

Item #	Title	Credits
THTT 155	Design II	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	PSYC 050 or SOCI 020	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year First Semester

Item #	Title	Credits
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
RTVF 231	Introduction to Media Production	3
	THTT 150 or THTT 151 or THTT 152 or THTT 153	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year Second Semester

Item #	Title	Credits
THTT 159	Seminar in Technical Theatre	3
THTT 209	Drama Internship	3
	Theatre Electives (6 Credits)	6
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	133

Undergraduate Curriculum Guide for B.F.A in Theatre Arts – Theatre Arts Administration

The Department of Theatre Arts is committed to the training of knowledgeable theatre artists, theorists, historians, and teachers in the theatre arts. The Department is dedicated to the principle of developing the highest quality of theatre art, and to the serious investigation and perpetuation of the experiences and aesthetics of Black theatre. Objectives 1. To train and educate theatre artist-scholars by providing students with a broad-based foundation of theatre process and practice. 2. To provide students with diverse theatre experiences and to investigate and perpetuate the aesthetics of African-American theatre. 3. To provide students with a knowledge of and appreciation for related Fine and Performing Arts disciplines and how they are integrated into the practice of theatre. 4. To provide students with the basic techniques necessary for performance in theatre, film and television. The curriculum for each area of concentration is administered by an Area Coordinator who is appointed by the Chairman of the Department. Students enrolled in a Theatre Arts program shall be advised by the appropriate Area Coordinator. All Theatre Arts students must officially declare an area of concentration and successfully complete an audition and/or interview in that area.

FRSM 001 REQUIRED FOR NEW ENTRANTS ONLY, HOWEVER, ALL OTHERS MUST SATISFY THIS CREDIT HOUR REQUIREMENT WITH AN ELECTIVE.

THTT 052 Course offered in the SPRING SEMESTER ONLY.

^ALL THEATRE ARTS ADMINISTRATION MAJORS ARE REQUIRED TO SERVE AS AN ASSISTANT STAGE MANAGER and/or A STAGE MANAGER AT LEAST ONCE PRIOR TO GRADUATION.

NOTE: Many of the courses listed have laboratory hours. Laboratory hours allow for practical application of the theoretical approach addressed in both classroom exercise and lectures. Lab hours vary depending on the expectations and/or demands of the class/production. All students should anticipate committing additional time outside of classroom instruction for Lab work.

+Honors Students are required to take THFD-186 – Directed Study AND ++THFD-187 Honors Thesis

*RESTRICTED ELECTIVES: HUCO-410 Conflict Mgmt & Negotiation Strategy; JOUR-206 Intro. To Advertising; THFD-081 Play Reading;

THTA-206 Entrepreneurship in the Entertainment Industry; MKTG-360 Computer Applications in Marketing; MKTG-370 Services Marketing

Elective/Hnr.s Course JUNIOR OR SENIOR LEVEL STUDENT ONLY OR WITH CONSENT OF COURSE INSTRUCTOR.

NOTE: STUDENTS ARE RESPONSIBLE FOR THE TOTAL NUMBER OF HOURS FOR GRADUATION. IF A COURSE IS NOT OFFERED, THE STUDENT MUST MAKE-UP THE HOURS IN COURSES APPROVED BY THE COORDINATOR. STUDENTS MUST FOLLOW THE CURRICULUM SCHEME AS PRINTED OR THEY MAY JEOPARDIZE THEIR GRADUATING WITHIN A 4-YEAR TIME PERIOD.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
THAT 090		3
THTT 058	Tech Production I	3
ECON 001	Principles of Economics I	3
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
THFD 080	Play Analysis	3

Freshman Year Second Semester

Item #	Title	Credits
THTA 091	Introduction to Theatre Management II	3
ENGL 003	Freshman Composition	3
THTT 059	Tech Production II	3
	THTT 052 or THTT 051 or THTT 053	3
ECON 002	Principles of Economics II	3

Sophomore Year First Semester

Item #	Title	Credits
THAC 020	Introduction to Acting: For Non-Majors	3
THTA 001, 002, 003, 004, 005	Theatre Arts Admin Laba I - V	5
ACCT 201	Accounting Principles I	3
THDN 300	Dance for Non-Majors	2
ECON 180	Statistics for Business and Economics	3
	Humanities Course	3

Sophomore Year Second Semester

Item #	Title	Credits
THPD 030	Begin. Directing	3
ENGL 009	Technical Writing, Pre-Professional	3
HUCO 101	Principles of Speech	3
	THTT 052 or THTT 051 or THTT 053	3

Junior Year First Semester

Item #	Title	Credits
THFD 180	Theatre History I	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
	THTT 052 or THTT 051 or THTT 053	3

Junior Year Second Semester

Item #	Title	Credits
THFD 181	Theatre History II	3
	Elective	3
ARTH 161	Art Appreciation	3
RTVF 231	Introduction to Media Production	3
	PSYC 050 or SOCI 020	3

Senior Year First Semester

Item #	Title	Credits
MUSI 232	Intro to Enter. Law	3
	Restricted Elec./Hnr. Course	3

Senior Year Second Semester

Item #	Title	Credits
MUTP 100	Blacks in the Arts	3
	Elective/Hnrs. Course	3
	THTA 089 or PSYC 050	3
	Total credits:	101

Undergraduate Curriculum Guide for the B.F.A. in Theatre Arts - Acting

The Department of Theatre Arts is committed to the training of knowledgeable theatre artists, theorists, historians, and teachers in the theatre arts. The Department is dedicated to the principle of developing the highest quality of theatre art, and to the serious investigation and perpetuation of the experiences and aesthetics of Black theatre. Objectives 1. To train and educate theatre artist-scholars by providing students with a broad-based foundation of theatre process and practice. 2. To provide students with diverse theatre experiences and to investigate and perpetuate the aesthetics of African-American theatre. 3. To provide students with a knowledge of and appreciation for related Fine and Performing Arts disciplines and how they are integrated into the practice of theatre. 4. To provide students with the basic techniques necessary for performance in theatre, film and television. The curriculum for each area of concentration is administered by an Area Coordinator who is appointed by the Chairman of the Department. Students enrolled in a Theatre Arts program shall be advised by the appropriate Area Coordinator. All Theatre Arts students must officially declare an area of concentration and successfully complete an audition and/or interview in that area.

IMPORTANT: FRSM 001 required for new entrants only, all others must satisfy this credit hour with an elective.

Basic Stagecraft course only offered in the Spring semester.

+ Students must check with advisor for honors course equivalents

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
THAC 021	Acting: Techniques I	3
THAC 014	Voice for the Stage	3
THAC 025	Movement for the Stage	3
THFD 080	Play Analysis	3
THDN 053	Fund. of Dance I	2
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
THAC 022	Acting: Techniques II	3
THAC 015	Diction for the Stage	3
THAC 054	Fund. of Dance II	2
THTT 058	Tech Production I	3
ENGL 003	Freshman Composition	3
THFD 081	Play Reading	3

Sophomore Year First Semester

Item #	Title	Credits
THAC 023	Acting: Techniques III	3
THFD 180	Theatre History I	3
	PSYC 050 or SOCI 030	3
THTT 057	Stage Make-up/Lab	3
THTT 156	Stage Management	3
MATH 006	College Algebra I	3

Sophomore Year Second Semester

Item #	Title	Credits
THAC 024	Acting: Techniques IV	3
THFD 181	Theatre History II	3
THTT 059	Tech Production II	3
	THTT 053 or THTT 052 or THTT 051	3
THAC 030	Beginning Directing	3
THFD 186	Honors Directed Studies	3

Junior Year First Semester

Item #	Title	Credits
THAC 120	Acting: Character Study	3
ARTH 161	Art Appreciation	3
ENGL 104	Sophomore Seminar I: Introduction to English Studies	3
	THTT 051/052/053	3

Junior Year Second Semester

Item #	Title	Credits
THAC 121	Acting: Scene Study	3
THAC 017	Speech for the Microphone	3
ENGL 015	Introduction to Humanities II	3
	Shakespeare/Actors	3
	Elective	3

Senior Year First Semester

Item #	Title	Credits
THAC 122	Acting: Styles I	3
THAC 211	Acting for Film and TV (I)	3
PHIL 055	Introduction to Philosophy	3
	Elective	3

Senior Year Second Semester

Item #	Title	Credits
	Rehearsal & Performance/Lab	6
MUTP 100	Blacks in the Arts	3
	Elective	3
	Total credits:	122

Undergraduate Curriculum Guide for the B.F.A. in Theatre Arts – Dance Arts

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IMPORTANT: *Recommended Course – ENGL 009 Technical Writing Pre-Professional

Humanities Elective — See approved list of Division A courses

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
THDN 049	Maj/Mn Dance Orient I	2
FRSM 001	Freshman Seminar	1
THAC 014	Voice for the Stage	3
ENGL 002	Freshman Composition	3
MATH 006	College Algebra I	3
	Foreign Language I	3

Freshman Year Second Semester

Item #	Title	Credits
THDN 090	Maj/Mn Dance Orient II	2
ENGL 003	Freshman Composition	3
ARTH 161	Art Appreciation	3
THTT 051	Basic Stage Lighting	3
THDN 200	Dance/Theatre Practicum	2
	Foreign Language II	3

Sophomore Year First Semester

Item #	Title	Credits
THDN 007	Ballet I	2
THDN 001	Modern Dance Technique I	2
ENGL 009	Technical Writing, Pre-Professional	3
THTT 053	Costume for the Theatre	3
THMT 041		3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Sophomore Year Second Semester

Item #	Title	Credits
THDN 008	Ballet II	2
THDN 002	Modern Dance Technique II	2
THAT 156		3
THDN 015	African Dance I	2
	Nutrition	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Junior Year First Semester

Item #	Title	Credits
THDN 009	Ballet III	2
THDN 003	Modern Dance Technique III	2
THDN 016	African Dance II	2
THDN 039	Artist and Dance Experience I	2
THMT 067	Beginning Jazz	2
THDN 021	Dance Composition I	2

Junior Year Second Semester

Item #	Title	Credits
THDN 004	Modern Dance Technique IV	2
THDN 022	Dance Composition II	2
THDN 046	African Dance III	2
THDN 040	Artist and Dance Experience II	2
	PSYC 050 or SOCI 020	3
THDN 072	Dance Major Movement Tech.	2

Senior Year First Semester

Item #	Title	Credits
	Electives	3

Senior Year Second Semester

Item #	Title	Credits
	Theatre Electives (6 Credits)	6
	Total credits:	96

Undergraduate Curriculum Guide for the B.F.A. in Theatre Arts – Theatre Technology

The Department of Theatre Arts is committed to the training of knowledgeable theatre artists, theorists, historians, and teachers in the theatre arts. The Department is dedicated to the principle of developing the highest quality of theatre art, and to the serious investigation and perpetuation of the experiences and aesthetics of Black theatre. Objectives 1. To train and educate theatre artist-scholars by providing students with a broad-based foundation of theatre process and practice. 2. To provide students with diverse theatre experiences and to investigate and perpetuate the aesthetics of African-American theatre. 3. To provide students with a knowledge of and appreciation for related Fine and Performing Arts disciplines and how they

are integrated into the practice of theatre. 4. To provide students with the basic techniques necessary for performance in theatre, film and television. The curriculum for each area of concentration is administered by an Area Coordinator who is appointed by the Chairman of the Department. Students enrolled in a Theatre Arts program shall be advised by the appropriate Area Coordinator. All Theatre Arts students must officially declare an area of concentration and successfully complete an audition and/or interview in that area.

*One Theatre Practicum class must be taken EVERY semester the student is enrolled (except the semesters that the classes in Technical Production and Drama Internship are being taken).

FRSM 001 REQUIRED FOR NEW ENTRANTS ONLY, HOWEVER, ALL OTHERS MUST SATISFY THIS CREDIT HOUR REQUIREMENT WITH AN ELECTIVE.

^All three courses: BASIC STAGE LIGHTING, COSTUME FOR THE STAGE, and BASIC STAGECRAFT are required, but they can be taken in any order.

NOTE: Students are responsible for the total number of hours. Theatre Technology students are required to present their portfolios for faculty review EACH semester.

***Those students participating in the Honors program must take THFD-186 (1 credit) Honors Directed Studies in their Junior year and THFD-187 (3 credits) Honors Thesis in their Senior year.

~It is recommended that the course: Drama Internship in Technical Theatre be taken during the summer prior to the Junior or Senior year.

SUGGESTED ELECTIVES: An additional College Algebra course, Drawing I, Intro to Photography, Interior Design, Fashion Design, Computers in the Arts, Fundraising for the Arts, an additional Social Science, additional Foreign Language, and an Interdisciplinary Course.

Type: B.F.A.

Freshman Year First Semester

Item #	Title	Credits
THTT 058	Tech Production I	3
THDN 300	Dance for Non-Majors	2
THFD 080	Play Analysis	3
FRSM 001	Freshman Seminar	1
ENGL 002	Freshman Composition	3
MATH 006	College Algebra I	3

Freshman Year Second Semester

Item #	Title	Credits
	THTT 052 or THTT 051 or THTT 053	3
THTT 059	Tech Production II	3
THFD 081	Play Reading	3
ENGL 003	Freshman Composition	3
MUTP 100	Blacks in the Arts	3

Sophomore Year First Semester

Item #	Title	Credits
THTT 001	Theatre Practicum I: Rehearsal and Performance	1
	THTT 051 or THTT 053	3
THFD 180	Theatre History I	3
THAC 020	Introduction to Acting: For Non-Majors	3
ARTH 161	Art Appreciation	3
	Foreign Language I	3

Sophomore Year Second Semester

Item #	Title	Credits
THTT 002, 003, 004, 005, 006, 007	Theatre Practicum II-VII	6
	THTT 052 or THTT 051 or THTT 053	3
THTT 057	Stage Make-up/Lab	3
THFD 181	Theatre History II	3
THAC 030	Beginning Directing	3
	Foreign Language II	3

Junior Year First Semester

Item #	Title	Credits
THTT 154	Design I	3
THFD 040	Playwriting I	3
THTT 051	Basic Stage Lighting	3

Junior Year Second Semester

Item #	Title	Credits
THTT 155	Design II	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	PSYC 050 or SOCI 020	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Elective	3

Senior Year First Semester

Item #	Title	Credits
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
RTVF 231	Introduction to Media Production	3
	THTT 150 or THTT 151 or THTT 152 or THTT 153	3

Senior Year Second Semester

Item #	Title	Credits
THTT 159	Seminar in Technical Theatre	3
THTT 209	Drama Internship	3
	Theatre Electives (6 Credits)	6

French

French (B.A.)

The French program at Howard University covers a variety of topics including all aspects of language learning, literature, poetry, cinema, music, business, and politics. Upper level courses focus on literature, culture, writing, and analytical skills. Majors and Minors go onto careers in several fields, including education, politics, journalism, publishing, law, business, and fashion.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
FREN 052	Reading and Writing Workshop	3
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
	Writing Course	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
FREN 060	Textual Analysis	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
FREN 085	Survey of AFRO Caribbean Literature	3
FREN 077	Advanced Grammar and Composition	3
HUCO 101	Principles of Speech	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
FREN 080		3
FREN 085	Survey of AFRO Caribbean Literature	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
FREN 150	Franco-Caribbean Civilization and Literature	3
	French Elective	3
	French Elective	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	French Elective	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Total credits:	122

Undergraduate Curriculum Guide for the French Major (B.A.)

The French program at Howard University covers a variety of topics including all aspects of language learning, literature, poetry, cinema, music, business, and politics. Upper level courses focus on literature, culture, writing, and analytical skills. Majors and Minors go onto careers in several fields, including education, politics, journalism, publishing, law, business, and fashion.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
FREN 052	Reading and Writing Workshop	3
ENGL 003	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
	Writing Course	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
FREN 060	Textual Analysis	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
FREN 085	Survey of AFRO Caribbean Literature	3
FREN 077	Advanced Grammar and Composition	3
HUCO 101	Principles of Speech	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
FREN 080		3
FREN 085	Survey of AFRO Caribbean Literature	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
FREN 150	Franco-Caribbean Civilization and Literature	3
	French Elective	3
	French Elective	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	French Elective	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Total credits:	116

Spanish

Spanish (B.A.)

Students in the undergraduate degree program for Spanish will study the Spanish language, literature, poetry, film, music, business, and cultures. The Spanish curriculum delivers a high level of proficiency in developing speaking, listening, reading, writing, and cultural competency skills. The degree program prepares students to succeed in a variety of careers that include education, business, health sciences, and communication.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
SPAN 040	Intensive Grammar Review	3
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
SPAN 052	Reading and Writing Workshop	3
	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
SPAN 050	Oral Expression I	3
	Writing Course	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
SPAN 060	Textual Analysis	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
SLMC 101	Principles of Speech.	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
SPAN 080	Survey of Spanish Literature I	3
SPAN 083	Survey of Latin American Literature and civilization I	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SPAN 077	Advanced Composition	3
SPAN 084	Survey of Latin American Literature and civilization II	3
SPAN 081	Survey of Spanish Civilization and Literature II	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
SPAN 085	Survey of AFRO Hispanic Literature	3
	Spanish Elective	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Spanish Elective	3
	Senior Seminar	1
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	120

Undergraduate Curriculum Guide for the Spanish Major (B.A.)

Students in the undergraduate degree program for Spanish will study the Spanish language, literature, poetry, film, music, business, and cultures. The Spanish curriculum delivers a high level of proficiency in developing speaking, listening, reading, writing, and cultural competency skills. The degree program prepares students to succeed in a variety of careers that include education, business, health sciences, and communication.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
SPAN 040	Intensive Grammar Review	3
ENGL 002	Freshman Composition	3
FRSM 001	Freshman Seminar	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
SPAN 052	Reading and Writing Workshop	3
ENGL 003	Freshman Composition	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Mathematics Elec (Options: Courses under code MATH)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
SPAN 050	Oral Expression I	3
	Writing Course	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
SPAN 060	Textual Analysis	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Speech	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
SPAN 080	Survey of Spanish Literature I	3
SPAN 083	Survey of Latin American Literature and civilization I	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SPAN 077	Advanced Composition	3
SPAN 084	Survey of Latin American Literature and civilization II	3
SPAN 081	Survey of Spanish Civilization and Literature II	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
SPAN 085	Survey of AFRO Hispanic Literature	3
	Spanish Elective	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Spanish Elective	3
	Senior Seminar	1
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	120

Health, Human Perform. & Leisure Studies

Leisure Studies (B.A.)

The Leisure Studies degree program offers a concentration in Sports Management. Students in the undergraduate degree program for Leisure Studies will study the topics related to planning, organizing, directing, controlling, budgeting, leading, and evaluating with the context of an organization or department whose primary product or service is related to sport and or physical activity. The program will prepare graduates for entry into school and college sport programs, or sport related organizations.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
MATH 006	College Algebra I	3
HHPL 141	Intro to Sports Management	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 007	Precalculus	4
HHPL 144	Sports Law	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
HHPL 145	Sports Marketing	3
HHPL 147	Sports and the Media	3
AFRO 005	Introduction to Africana Studies I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
HHPL 148	Sports Governance	3
HHPL 149	Facilities and Event Management	3
AFRO 006	Introduction to Africana Studies II	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
HHPL 150	Management and Leadership in Sports	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
ECON 001	Principles of Economics I	3
HHPL 221	Budget & Finance in Sport	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
ECON 002	Principles of Economics II	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
HHPL 151	Sports Management Internship	6
PHIL 055	Introduction to Philosophy	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Total credits:	120

Undergraduate Curriculum Guide for the Human Performance B.A. Degree

The Human performance degree program offers a concentration in Sports Medicine that affords students practical and clinical experience grounded in theory and science. The undergraduate degree program provides a strong curriculum which can serve as a gateway to professional schools in medicine, dentistry, and physical therapy.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
MATH 006	College Algebra I	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
CHEM 006	General Chemistry Laboratory	1
MATH 007	Precalculus	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
BIOL 101	General Biology	4
AFRO 005	Introduction to Africana Studies I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
BIOL 102	General Biology II	4
AFRO 006	Introduction to Africana Studies II	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
PHYS 001, 002	General Physics	8
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
HHPL 102	Human Anatomy (Majors only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
ECON 001	Principles of Economics I	3
HHPL 103	Human Physiology	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Senior Year First Semester

Item #	Title	Credits
HHPL 107	Exercise Physiology I	3
HHPL 118	Athletic Training I	3
HHPL 104	Kinesiology	3
ECON 002	Principles of Economics II	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Senior Year Second Semester

Item #	Title	Credits
HHPL 140	Human Growth and Development	3
HHPL 130	Exercise Physiology II - Neuromuscular Aspects	3
	Intro to Philosophy	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Total credits:	102

Undergraduate Curriculum Guide for the Leisure Studies B.A. Degree

The Leisure Studies degree program offers a concentration in Sports Management. Students in the undergraduate degree program for Leisure Studies will study the topics related to planning, organizing, directing, controlling, budgeting, leading, and evaluating with the context of an organization or department whose primary product or service is related to sport and or physical activity. The program will prepare graduates for entry into school and college sport programs, or sport related organizations.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
MATH 006	College Algebra I	3
HHPL 141	Intro to Sports Management	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 007	Precalculus	4
HHPL 144	Sports Law	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
HHPL 145	Sports Marketing	3
HHPL 147	Sports and the Media	3
AFRO 005	Introduction to Africana Studies I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
HHPL 148	Sports Governance	3
HHPL 149	Facilities and Event Management	3
AFRO 006	Introduction to Africana Studies II	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
HHPL 150	Management and Leadership in Sports	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
ECON 001	Principles of Economics I	3
HHPL 221	Budget & Finance in Sport	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
ECON 002	Principles of Economics II	3
	Major Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
HHPL 151	Sports Management Internship	6
	Philosophy	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Total credits:	111

Human Performances (B.S.)

The Human performance degree program offers a concentration in Sports Medicine that affords students practical and clinical experience grounded in theory and science. The undergraduate degree program provides a strong curriculum which can serve as a gateway to professional schools in medicine, dentistry, and physical therapy.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
FRSM 001	Freshman Seminar	1
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
MATH 006	College Algebra I	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
CHEM 006	General Chemistry Laboratory	1
MATH 007	Precalculus	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
BIOL 101	General Biology	4
AFRO 005	Introduction to Africana Studies I	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
BIOL 102	General Biology II	4
AFRO 006	Introduction to Africana Studies II	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year First Semester

Item #	Title	Credits
SLMC 101	Principles of Speech.	3
PHYS 001, 002	General Physics	8
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
HHPL 102	Human Anatomy (Majors only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year Second Semester

Item #	Title	Credits
ECON 001	Principles of Economics I	3
HHPL 103	Human Physiology	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year First Semester

Item #	Title	Credits
HHPL 107	Exercise Physiology I	3
HHPL 118	Athletic Training I	3
HHPL 104	Kinesiology	3
ECON 002	Principles of Economics II	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
HHPL 140	Human Growth and Development	3
HHPL 130	Exercise Physiology II - Neuromuscular Aspects	3
PHIL 055	Introduction to Philosophy	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	123

College of Nursing & Allied Health Sciences

Clinical Laboratory Sciences

Clinical Laboratory Sciences (B.S.)

The program at Howard University provides course study in the areas of medical technology, biochemistry, hematology, clinical decision making, and clinical laboratory management. A degree in Clinical Laboratory Science prepares graduates for employment opportunities in clinical, veterinary, and forensic laboratories; biotechnology and pharmaceutical industries; management, marketing, and biomedical sales.

IMPORTANT: *Required for students entering the program fall semester 2008 or after

**CHEM 180,181,182, and 183 may be substituted for General Chemistry Lecture & Labs only with CLS advisors' approval.

***CLLS 709 is a writing intensive course and meets the Division's 3rd writing requirement.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 006	College Algebra I	3
AHCC 110	General Orientation	2
	Physical Education Elective (options: courses under subject code HHPL)	1
CLLS 101	Introduction to Clinical Laboratory Science	2
BIOL 101	General Biology	4

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 009	Introduction to Statistics	4
BIOL 102	General Biology II	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	BIOL 200/310	4
AHCC 003	Medical Terminology	2
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	MPHY 101 or HHPL 190	4
CLLS 300	Basic Clinical Lab Techniques	2
CHEM 006	General Chemistry Laboratory	1
CLLS 312	OSHA Seminar	1
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
CLLS 415	Clinical Urinalysis and Body Fluids	3
CLLS 307	Clinical Immunology I	4
CLLS 303	Clinical Hematology I	4
CLLS 308	Clinical Diagnostic Microbiology I	5
CLLS 309	Clinical Chemistry I	4

Junior Year Second Semester

Item #	Title	Credits
CLLS 416	Clinical Diagnostic Microbiology II	5
CLLS 409	Immunohematology	4
CLLS 403	Clinical Hematology II	4
CLLS 310	Clinical Chemistry II	4

Senior Year First Semester

Item #	Title	Credits
CLLS 400	Advance Lab Techniques	2
	General Electives (Options: To be determined in consultation with advisor)	6
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Senior Year Second Semester

Item #	Title	Credits
CLLS 418	Clinical Laboratory Management Decision Making	2
CLLS 404	Hematology/Urinalysis Practicum	4
CLLS 406	Microbiology Practicum	5
CLLS 408	Chemistry Practicum	4
CLLS 411	Immunohematology Practicum	4
	Total credits:	122

Undergraduate Curriculum Guide for Clinical Laboratory Sciences B.S.

The program at Howard University provides course study in the areas of medical technology, biochemistry, hematology, clinical decision making, and clinical laboratory management. A degree in Clinical Laboratory Science prepares graduates for employment opportunities in clinical, veterinary, and forensic laboratories; biotechnology and pharmaceutical industries; management, marketing, and biomedical sales.

IMPORTANT: *Required for students entering the program fall semester 2008 or after

**CHEM 180,181,182, and 183 may be substituted for General Chemistry Lecture & Labs only with CLS advisors' approval.

***CLLS 709 is a writing intensive course and meets the Division's 3rd writing requirement.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
MATH 006	College Algebra I	3
AHCC 110	General Orientation	2
	Physical Education Elective (options: courses under subject code HHPL)	1
CLLS 101	Introduction to Clinical Laboratory Science	2
BIOL 101	General Biology	4

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
MATH 009	Introduction to Statistics	4
BIOL 102	General Biology II	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	BIOL 200/310	4
AHCC 003	Medical Terminology	2
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
	MPHY 101 or HHPL 190	4
CLLS 300	Basic Clinical Lab Techniques	2
CHEM 006	General Chemistry Laboratory	1
CLLS 312	OSHA Seminar	1
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
CLLS 415	Clinical Urinalysis and Body Fluids	3
CLLS 307	Clinical Immunology I	4
CLLS 303	Clinical Hematology I	4
CLLS 308	Clinical Diagnostic Microbiology I	5
CLLS 309	Clinical Chemistry I	4

Junior Year Second Semester

Item #	Title	Credits
CLLS 416	Clinical Diagnostic Microbiology II	5
CLLS 409	Immunoematology	4
CLLS 403	Clinical Hematology II	4
CLLS 310	Clinical Chemistry II	4

Senior Year First Semester

Item #	Title	Credits
CLLS 400	Advance Lab Techniques	2

Senior Year Second Semester

Item #	Title	Credits
CLLS 418	Clinical Laboratory Management Decision Making	2
CLLS 404	Hematology/Urinalysis Practicum	4
CLLS 406	Microbiology Practicum	5
CLLS 408	Chemistry Practicum	4
CLLS 411	Immunoematology Practicum	4
Total credits:		113

Health Management Sciences Program

Health Sciences (B.S.)

The Bachelor of Sciences in Health Science curriculum is designed to prepare students to perform executive management tasks and the goals of achieving lifelong career in a wide variety of organizations that deliver health care services, as well as pursue graduate education nationally and internationally.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
	MATH 006/007	3-4
AHCC 110	General Orientation	2
	Physical Education Elective (options: courses under subject code HHPL)	1
NUTR 160	Nutrition	3
BIOL 101	General Biology	4

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	MATH 010/156	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
SOCI 001	Introduction to Sociology	3

Sophomore Year First Semester

Item #	Title	Credits
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
AHCC 202	Computer for Allied Health Professions	3
ECON 001	Principles of Economics I	3
AHCC 003	Medical Terminology	2
ENGL 009	Technical Writing, Pre-Professional	3

Sophomore Year Second Semester

Item #	Title	Credits
	HHPL 140 or HUDV 150	3
ECON 002	Principles of Economics II	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
PHIL 051	Principles of Reasoning	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
MATH 009	Introduction to Statistics	4
HLMN 102	Health Systems Management I	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
HLMN 405	Health Care Finance	3
HLMN 201	Community Health Organizations	3

Junior Year Second Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
HLMN 409	Health Systems Management II	3
INFO 204	Management Information Systems	3
AHCC 375	Geriatrics for Allied Health Professions	2
MGMT 305	Organization Theory	3

Senior Year First Semester

Item #	Title	Credits
HLMN 401	Global Health	3
HLMN 406	Epidemiology and Public Health	3
HLMN 402	Health Management Internship	6
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year Second Semester

Item #	Title	Credits
	General Elective (Options: To be determined in consultation with advisor)	3
HLMN 404	Health Policy	3
HLMN 408	Health Management Capstone Seminar	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	121-122

Undergraduate Curriculum Guide for Health Sciences B.S. – Health Management

The Bachelor of Sciences in Health Science curriculum is designed to prepare students to perform executive management tasks and the goals of achieving lifelong career in a wide variety of organizations that deliver health care services, as well as pursue graduate education nationally and internationally.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
	MATH 006/007	3-4
AHCC 110	General Orientation	2
	Physical Education Elective (options: courses under subject code HHPL)	1
NUTR 160	Nutrition	3
BIOL 101	General Biology	4

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	MATH 010/156	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
SOCI 001	Introduction to Sociology	3

Sophomore Year First Semester

Item #	Title	Credits
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
AHCC 202	Computer for Allied Health Professions	3
ECON 001	Principles of Economics I	3
AHCC 003	Medical Terminology	2
ENGL 009	Technical Writing, Pre-Professional	3

Sophomore Year Second Semester

Item #	Title	Credits
	HHPL 140 or HUDV 150	3
ECON 002	Principles of Economics II	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
PHIL 051	Principles of Reasoning	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1

Junior Year First Semester

Item #	Title	Credits
MATH 009	Introduction to Statistics	4
HLMN 102	Health Systems Management I	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
HLMN 405	Health Care Finance	3
HLMN 201	Community Health Organizations	3

Junior Year Second Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
HLMN 409	Health Systems Management II	3
INFO 204	Management Information Systems	3
AHCC 375	Geriatrics for Allied Health Professions	2
MGMT 305	Organization Theory	3

Senior Year First Semester

Item #	Title	Credits
HLMN 401	Global Health	3
HLMN 406	Epidemiology and Public Health	3
HLMN 402	Health Management Internship	6
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	Elective	3
HLMN 404	Health Policy	3
HLMN 408	Health Management Capstone Seminar	3
HLMN 402	Health Management Internship	6
	Total credits:	118-119

Nutritional Sciences

Nutritional Sciences - Pre-Dental/Pre- Medicine Emphasis (B.S.)

The program focuses on preparing students for entry into medical and dental schools. With increasing recognition of the association between diet and disease and the importance of diet in health promotion, nutritionists and dietitians are needed to participate in research, to educate the public on ways to promote health through diet, and to educate individuals suffering from chronic diseases on ways to incorporate dietary modifications into their lifestyles.

IMPORTANT: Statistics course must be selected from the following: SOCI 110, MATH 009, or PSYC 063.

D/AHS Elective must be selected from Allied Health Core.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
AHCC 110	General Orientation	2
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	Physical Education (Active)	1
	MATH 006/007	3-4
NUTR 006	Introduction to Foods	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	MATH 010/156	4
NUTR 161	Nutrition for Health Majors	3
CHEM 006	General Chemistry Laboratory	1
	Physical Education (Active)	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
BIOL 101	General Biology	4
	COMP 004 or AHCC 202	3
HUCO 101	Principles of Speech	3

Sophomore Year Second Semester

Item #	Title	Credits
BIOL 102	General Biology II	4
MPHY 008	General Physiology	4
	D/AHS Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
PHYS 001, 002	General Physics	8
	NUTR 130 or CHEM 156	3
CHEM 157	Biochemistry Survey Laboratory	1
	BIOL 200 or MDMI 112	4
NUTR 183	Community Nutrition	3

Junior Year Second Semester

Item #	Title	Credits
NUTR 175	Advanced Nutrition	3
NUTR 189	Food Chemistry and Analysis	4
AHCC 375	Geriatrics for Allied Health Professions	2
NUTR 323	Evaluation of Nutritional Status	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year First Semester

Item #	Title	Credits
AHCC 301	Ethics for Health Profession	2
NUTR 410	Medical Nutrition Therapy I	3
	NUTR 210 or SEED 005	3
	Statistics	3
NUTR 416	Research Methods in Nutrition	2

Senior Year Second Semester

Item #	Title	Credits
NUTR 425	Issues in Dietetics and Nutrition	2
NUTR 169	Field Experience in Human Nutrition and Food	6
AHCC 003	Medical Terminology	2
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
SOCI 001	Introduction to Sociology	3

Nutritional Sciences – Community Nutrition Emphasis (B.S.)

The Department of Nutritional Sciences offers the Bachelor of Science Degree in Nutritional Sciences. The curriculum allows students to complete the general education and basic science courses in the first two years. During the last two years, students, along with their advisors, select courses, which prepare them to become dietitians or nutritionist. The Bachelor of Science is Degree is offered with emphases in Community Nutrition, Human Nutrition and Food, and the fully accredited Coordinated Undergraduate Program in Dietetics.

IMPORTANT: Statistics course must be selected from the following: SOCI 110, MATH 009, or PSYC 063.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
AHCC 110	General Orientation	2
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	Physical Education (Active)	1
	MATH 006/007	3-4
NUTR 161	Nutrition for Health Majors	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	MATH 010/156	4
HUCO 101	Principles of Speech	3
CHEM 006	General Chemistry Laboratory	1
	Physical Education (Active)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
NUTR 006	Introduction to Foods	3
	BIOL 200 or MDMI 112	4
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
	COMP 004 or AHCC 202	3
AHCC 003	Medical Terminology	2
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year First Semester

Item #	Title	Credits
PHYS 001, 002	General Physics	8
	NUTR 130 or CHEM 156	3
CHEM 157	Biochemistry Survey Laboratory	1
	NUTR 210 or SEED 005	3
NUTR 183	Community Nutrition	3
AHCC 301	Ethics for Health Profession	2

Junior Year Second Semester

Item #	Title	Credits
NUTR 175	Advanced Nutrition	3
ECON 001	Principles of Economics I	3
SOCI 001	Introduction to Sociology	3
AHCC 375	Geriatrics for Allied Health Professions	2
NUTR 323	Evaluation of Nutritional Status	3

Senior Year First Semester

Item #	Title	Credits
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
NUTR 410	Medical Nutrition Therapy I	3
NUTR 415	Diet Therapy Dry Lab	1
	Statistics	3
NUTR 416	Research Methods in Nutrition	2
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Senior Year Second Semester

Item #	Title	Credits
NUTR 425	Issues in Dietetics and Nutrition	2
NUTR 169	Field Experience in Human Nutrition and Food	6
NUTR 311	Organization and Management of Food and Nutrition Service	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	Total credits:	125-126

Undergraduate Curriculum Guide for Nutritional Sciences B.S. – Pre-Medicine/Pre-Dental Emphasis

The program focuses on preparing students for entry into medical and dental schools. With increasing recognition of the association between diet and disease and the importance of diet in health promotion, nutritionists and dietitians are needed to participate in research, to educate the public on ways to promote health through diet, and to educate individuals suffering from chronic diseases on ways to incorporate dietary modifications into their lifestyles.

IMPORTANT: Statistics course must be selected from the following: SOCI 110, MATH 009, or PSYC 063.

D/AHS Elective must be selected from Allied Health Core.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
AHCC 110	General Orientation	2
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	Physical Education (Active)	1
	MATH 006/007	3-4
NUTR 006	Introduction to Foods	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	MATH 010/156	4
NUTR 161	Nutrition for Health Majors	3
CHEM 006	General Chemistry Laboratory	1
	Physical Education (Active)	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
BIOL 101	General Biology	4
	COMP 004 or AHCC 202	3
HUCO 101	Principles of Speech	3

Sophomore Year Second Semester

Item #	Title	Credits
BIOL 102	General Biology II	4
MPHY 008	General Physiology	4
	D/AHS Elective	3

Junior Year First Semester

Item #	Title	Credits
PHYS 001, 002	General Physics	8
	NUTR 130 or CHEM 156	3
CHEM 157	Biochemistry Survey Laboratory	1
	BIOL 200 or MDMI 112	4
NUTR 183	Community Nutrition	3

Junior Year Second Semester

Item #	Title	Credits
NUTR 175	Advanced Nutrition	3
NUTR 189	Food Chemistry and Analysis	4
AHCC 375	Geriatrics for Allied Health Professions	2
NUTR 323	Evaluation of Nutritional Status	3

Senior Year First Semester

Item #	Title	Credits
AHCC 301	Ethics for Health Profession	2
NUTR 410	Medical Nutrition Therapy I	3
	NUTR 210 or SEED 005	3
	Statistics	3
NUTR 416	Research Methods in Nutrition	2

Senior Year Second Semester

Item #	Title	Credits
NUTR 425	Issues in Dietetics and Nutrition	2
NUTR 169	Field Experience in Human Nutrition and Food	6
AHCC 003	Medical Terminology	2
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
SOCI 001	Introduction to Sociology	3
	Total credits:	116-117

Nursing

Undergraduate Curriculum Guide for Nursing B.S.N.

The Bachelor of Science program in Nursing offers a balanced curriculum including courses in the liberal arts, the sciences, the humanities, and nursing. Many of the nursing courses are concentrated in the junior and senior years and involve classroom and clinical learning experiences in hospitals, long-term care facilities, homeless shelters, patients' homes and other community-based settings. Students in the Bachelor's degree program develop competencies in the care of adults, children, child-bearing families and the elderly. A theoretical base for nursing practice is laid early in the program and students grow in their ability to apply theory in developing systems of care for patients.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
MATH 006	College Algebra I	3
FRSM 001	Freshman Seminar	1
BIOL 101	General Biology	4

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
SOCI 001	Introduction to Sociology	3
	African-American Studies (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
MDMI 103	Microbiology w/Lab	4
SOCI 180	The Family	3
	Fine Arts (Art,Dance,Mus.,Thet)	3

Sophomore Year Second Semester

Item #	Title	Credits
HHPL 140	Human Growth and Development	3
NUTR 161	Nutrition for Health Majors	3
SOCI 110	Elementary Statistics	3
	Literature	3

Junior Year Summer Courses

Item #	Title	Credits
NURS 307	Health Assessment Across the Lifespan	3
NURS 304	Pathophysiology	3

Junior Year First Semester

Item #	Title	Credits
NURS 306	Introduction to Pharmacology	3
NURS 313	Informatics and Technology	2
NURS 315	Concepts of Health and Illness Across the Lifespan	3
NURS 320	Fundamentals of Nursing	3
NURS 321	Introduction to Professional Nursing Practice	2

Junior Year Second Semester

Item #	Title	Credits
NURS 323	Nursing Research	2
NURS 324	Adult Health Nursing I	5
NURS 326	Nursing of the Childbearing Family	5
NURS 327	Interdisciplinary Health Care Ethics	2

Senior Year Summer Course

Item #	Title	Credits
NURS 400	Elective Clinical Nursing	3

Senior Year First Semester

Item #	Title	Credits
NURS 412	Nursing of Infants and Children	5
	Elective	3
NURS 421	Psychiatric Mental Health Nursing	5
NURS 431	Health Policy & Economics	2

Senior Year Second Semester

Item #	Title	Credits
NURS 434	Adult Health Nursing II	5
NURS 436	Community Health Nursing	3
NURS 438	Nursing Leadership	3
NURS 440	Nursing Synthesis	3
	Total credits:	115

Undergraduate Curriculum Guide for Nutritional Sciences B.S. – Community Nutrition Emphasis

The Department of Nutritional Sciences offers the Bachelor of Science Degree in Nutritional Sciences. The curriculum allows students to complete the general education and basic science courses in the first two years. During the last two years, students, along with their advisors, select courses, which prepare them to become dietitians or nutritionist. The Bachelor of Science is Degree is offered with emphases in Community Nutrition, Human Nutrition and Food, and the fully accredited Coordinated Undergraduate Program in Dietetics.

IMPORTANT: Statistics course must be selected from the following: SOCI 110, MATH 009, or PSYC 063.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
AHCC 110	General Orientation	2
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	Physical Education (Active)	1
	MATH 006/007	3-4
NUTR 161	Nutrition for Health Majors	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	MATH 010/156	4
HUCO 101	Principles of Speech	3
CHEM 006	General Chemistry Laboratory	1
	Physical Education (Active)	1

Sophomore Year First Semester

Item #	Title	Credits
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
NUTR 006	Introduction to Foods	3
	MDMI 112 or BIOL 220	3

Sophomore Year Second Semester

Item #	Title	Credits
	COMP 004 or AHCC 202	3
AHCC 003	Medical Terminology	2

Junior Year First Semester

Item #	Title	Credits
PHYS 001, 002	General Physics	8
	NUTR 130 or CHEM 156	3
CHEM 157	Biochemistry Survey Laboratory	1
	NUTR 210 or SEED 005	3
NUTR 183	Community Nutrition	3
AHCC 301	Ethics for Health Profession	2

Junior Year Second Semester

Item #	Title	Credits
NUTR 175	Advanced Nutrition	3
ECON 001	Principles of Economics I	3
SOCI 001	Introduction to Sociology	3
AHCC 375	Geriatrics for Allied Health Professions	2
NUTR 323	Evaluation of Nutritional Status	3

Senior Year First Semester

Item #	Title	Credits
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
NUTR 410	Medical Nutrition Therapy I	3
NUTR 415	Diet Therapy Dry Lab	1
	Statistics	3
NUTR 416	Research Methods in Nutrition	2
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
NUTR 425	Issues in Dietetics and Nutrition	2
NUTR 169	Field Experience in Human Nutrition and Food	6
NUTR 311	Organization and Management of Food and Nutrition Service	3
	Total credits:	103-104

Nursing (B.S.N.)

The Bachelor of Science program in Nursing offers a balanced curriculum including courses in the liberal arts, the sciences, the humanities, and nursing. Many of the nursing courses are concentrated in the junior and senior years and involve classroom and clinical learning experiences in hospitals, long-term care facilities, homeless shelters, patients' homes and other community-based settings. Students in the Bachelor's degree program develop competencies in the care of adults, children, child-bearing families and the elderly. A theoretical base for nursing practice is laid early in the program and students grow in their ability to apply theory in developing systems of care for patients.

Type: B.S.N.

Type: B.S.N.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
MATH 006	College Algebra I	3
FRSM 001	Freshman Seminar	1
BIOL 101	General Biology	4

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
SOCI 001	Introduction to Sociology	3
	African-American Studies (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
MDMI 103	Microbiology w/Lab	4
SOCI 180	The Family	3
	Fine Arts (Art,Dance,Mus.,Thet)	3

Sophomore Year Second Semester

Item #	Title	Credits
HHPL 140	Human Growth and Development	3
NUTR 161	Nutrition for Health Majors	3
SOCI 110	Elementary Statistics	3
	Literature	3

Junior Year Summer Courses

Item #	Title	Credits
NURS 307	Health Assessment Across the Lifespan	3
NURS 304	Pathophysiology	3

Junior Year First Semester

Item #	Title	Credits
NURS 306	Introduction to Pharmacology	3
NURS 313	Informatics and Technology	2
NURS 315	Concepts of Health and Illness Across the Lifespan	3
NURS 320	Fundamentals of Nursing	3
NURS 321	Introduction to Professional Nursing Practice	2

Junior Year Second Semester

Item #	Title	Credits
NURS 323	Nursing Research	2
NURS 324	Adult Health Nursing I	5
NURS 326	Nursing of the Childbearing Family	5
NURS 327	Interdisciplinary Health Care Ethics	2

Senior Year Summer Course

Item #	Title	Credits
NURS 400	Elective Clinical Nursing	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year First Semester

Item #	Title	Credits
NURS 412	Nursing of Infants and Children	5
	General Elective (Options: To be determined in consultation with advisor)	3
NURS 421	Psychiatric Mental Health Nursing	5
NURS 431	Health Policy & Economics	2

Senior Year Second Semester

Item #	Title	Credits
NURS 434	Adult Health Nursing II	5
NURS 436	Community Health Nursing	3
NURS 438	Nursing Leadership	3
NURS 440	Nursing Synthesis	3
Total credits:		121

Radiation Therapy Program

Radiation Therapy (B.S.)

Howard University offers an accredited educational program in the field of radiation therapy. The program integrates academic theory and clinical study. The primary responsibilities of radiation therapists are to provide service delivery for patients who have been diagnosed with cancer. Career opportunities for radiation therapists include positions as staff radiation therapists, clinical instructors, managers, administrators, sales/private industry, researchers, and educators.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 006	College Algebra I	3
	Biology Elective (3crs) *	3
AHCC 110	General Orientation	2
	African-American Cluster (Options: see Elective Group Descriptions)	3
	Intro to Allied Health Prof.	1
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 007	Precalculus	4
SOCI 001	Introduction to Sociology	3
AHCC 202	Computer for Allied Health Professions	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
	Principles of Reasoning	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
RASC 211	Radiation Therapy Orientation	2
HHPL 102	Human Anatomy (Majors only)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Technical Writing	3

Sophomore Year Second Semester

Item #	Title	Credits
PHYS 007	Physics for Allied Health Students	5
SOCI 110	Elementary Statistics	3
AHCC 003	Medical Terminology	2
	General Physiology	4
SLMC 101	Principles of Speech.	3

Junior Year First Semester

Item #	Title	Credits
RASC 310	Clinical Radiotherapy I	2
RASC 311	Principles and Practice of Radiation Therapy	3
RASC 312	Environment and Radiation Protection	2
RASC 313	Radiation Therapy Physics	3
RASC 314	Cross Sectional Anatomy	2
AHCC 301	Ethics for Health Profession	2
RASC 315	Introduction to Oncology	2

Junior Year Second Semester

Item #	Title	Credits
RASC 320	Clinical Radiation Therapy II	2
RASC 323	Imaging and Radiation Therapy	3
RASC 324	Patient Care and Management	3
RASC 326	Radiation Therapy Physics II	3
	Problem Solving I	2
RASC 415	Radiation Oncology II	3
	Pathophysiology	3

Junior Year - Summer Sessions

Item #	Title	Credits
RASC 330	Clinical Radiation Therapy III	3
RASC 335	Clinical Radiotherapy IV	3

Senior Year First Semester

Item #	Title	Credits
RASC 410	Clinical Radiotherapy V	2
	Radiation Oncology II	3
RASC 412	Treatment Planning I	3
	Quality Management	2
HLMN 102	Health Systems Management I	3
	Interdis. Com. Based Health Care	2
	Problem Solving II	2

Senior Year Second Semester

Item #	Title	Credits
RASC 420	Clinical Radiation Therapy VI	5
RASC 325	Radiation Oncology I	3
RASC 422	Problem Seminar and Lab	3
RASC 426	Treatment Planning II	2
Total credits:		138

Undergraduate Curriculum Guide for B.S. Degree in Radiation Therapy

Howard University offers an accredited educational program in the field of radiation therapy. The program integrates academic theory and clinical study. The primary responsibilities of radiation therapists are to provide service delivery for patients who have been diagnosed with cancer. Career opportunities for radiation therapists include positions as staff radiation therapists, clinical instructors, managers, administrators, sales/private industry, researchers, and educators.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
MATH 006	College Algebra I	3
	Biology Elective (3crs) *	3
	General Orientation	3
	African American Cluster (Options: see Elective Group Descriptions)	3
	Intro to Allied Health Prof.	1
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	Precalculus	4
	Intro to Sociology	3
	Computers for Allied Health	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1
	Elective	3

Sophomore Year First Semester

Item #	Title	Credits
	Principles of Reasoning	3
	Intro to Psychology	3
	Radiation Therapy Orientation	3
	Anatomy Lecture/Lab	3
	Elective	3
	Technical Writing	3

Sophomore Year Second Semester

Item #	Title	Credits
	Physics for Allied Health	5
	Elementary Statistics	3
	Medical Terminology	2
	General Physiology	4
	Principles of Speech	3

Junior Year First Semester

Item #	Title	Credits
	Clinical Radiation Therapy I	2
	Prin. & Prac. of Radiation Ther.	3
	Environment & Rad. Protection	2
	Radiation Therapy Physics I	3
	Cross Sectional Anatomy	2
	Ethics for Health Professionals	2
	Research Methods	2

Junior Year Second Semester

Item #	Title	Credits
	Clinical Radiation Therapy II	2
	Imaging and Radiation Therapy	2
	Patient Care and Management	3
	Radiation Therapy Physics II	3
	Problem Solving I	2
	Radiation Oncology I	3
	Pathophysiology	3

Junior Year — Summer Sessions

Item #	Title	Credits
	Clinical Radiation Therapy III	3
	Clinical Radiation Therapy IV	3

Senior Year First Semester

Item #	Title	Credits
	Clinical Radiation Therapy V	2
	Radiation Oncology II	3
	Treatment Planning I	3
	Quality Management	2
	Health Systems Management	3
	Interdis. Com. Based Health Care	2
	Problem Solving II	2

Senior Year Second Semester

Item #	Title	Credits
	Clinical Radiation Therapy VI	5
	Radiation Biology	2
	Problem Seminar	3
	Treatment Planning II	2
	Total credits:	138

School of Education

Elementary Education

Elementary Education (B.S.)

The Bachelor of Science degree in Elementary Education is a four-year program that is aligned with the department's mission to prepare teachers and other professionals for leadership roles in a variety of national and global educational settings. The department specifically champions the needs of black and other underrepresented students in urban communities. The program is focused on asset-focused teaching methodology and interdisciplinary coursework to prepare students to think and reflect critically.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 006	College Algebra I	3
SLMC 101	Principles of Speech.	3
	Science Elective	3
HIST 101	World Geography	3
EDUC 100	Orientation & Pre-Professional Seminar	1

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
	Fine Arts Elective	3
	Science Elective	3
HIST 005	Introduction to the Black Diaspora I	3
EDUC 120	International Education for Contemporary Societies	3

Sophomore Year First Semester

Item #	Title	Credits
HUDV 114	Growth and Development in Childhood and Adolescence	3
EDUC 212	Educational Psychology: Learning & African American Learners	3
MATH 020	Fundamental Concepts of Mathematics for Education I	3
EDUC 218	Foundations & Processes of Reading Acquisition	3
EDUC 219	Schooling for Diverse Populations in American Society	3

Sophomore Year Second Semester

Item #	Title	Credits
EDUC 220	Learners with Diverse Cognitive, Behavior, & Language Characteristics	3
EDUC 221	Talent Development Model of Schooling	3
EDUC 222	Engaging Urban Parents, Families & Communities	2
EDUC 223	Instructional Technology for 21st Century	3
EDUC 225	Earth Science and Elementary Science Practices (and Lab)	3

Junior Year First Semester

Item #	Title	Credits
EDUC 312	Introduction to Assessment & Measurement	3
EDUC 314	Principles of Teaching Math & Science in Urban Classrooms I	4
EDUC 315	Principles of Teaching Math & Science in Urban Classrooms II	4
EDUC 316	Strategies for Teaching English Language Learners	2
SPAN 001	Spanish I	3

Junior Year Second Semester

Item #	Title	Credits
EDUC 321	Literature & Writing in Urban, Elementary Schools	3
EDUC 322	Teaching Language Arts and Social Studies in Urban Elementary Schools	3
EDUC 323	Literacy Assessment & Instructional Frameworks in Urban, Elementary Schools	3
EDUC 324	Teaching Social Studies, Arts, Health and PE in Urban Elementary Schools	4
SPAN 002	Spanish II	3

Senior Year First Semester

Item #	Title	Credits
EDUC 412	Research Foundations & Methods for Classroom Teachers	3
EDUC 450	Internship and Classroom Management.	9-12
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
EDUC 420	Interdisciplinary Research in STEM	3
EDUC 480	International Internship & Special Topics Seminar	9
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	122-125

Undergraduate Curriculum Guide for the B.S. Degree in Elementary Education

The Bachelor of Science degree in Elementary Education is a four-year program that is aligned with the department's mission to prepare teachers and other professionals for leadership roles in a variety of national and global educational settings. The department specifically champions the needs of black and other underrepresented students in urban communities. The program is focused on asset-focused teaching methodology and interdisciplinary coursework to prepare students to think and reflect critically.

Type: B.S.

Freshman Year Fall

Item #	Title	Credits
ENGL 002	Freshman Composition	3
MATH 006	College Algebra I	3
SLMC 101	Principles of Speech.	3
	Science Elective	3
HIST 101	World Geography	3
EDUC 100	Orientation & Pre-Professional Seminar	1

Freshman Year Spring

Item #	Title	Credits
ENGL 003	Freshman Composition	3
	Fine Arts Elective	3
	Science Elective	3
HIST 005	Introduction to the Black Diaspora I	3
EDUC 120	International Education for Contemporary Societies	3

Sophomore Year Fall

Item #	Title	Credits
HUDV 114	Growth and Development in Childhood and Adolescence	3
EDUC 212	Educational Psychology: Learning & African American Learners	3
MATH 020	Fundamental Concepts of Mathematics for Education I	3
EDUC 218	Foundations & Processes of Reading Acquisition	3
EDUC 219	Schooling for Diverse Populations in American Society	3

Sophomore Year Spring

Item #	Title	Credits
EDUC 220	Learners with Diverse Cognitive, Behavior, & Language Characteristics	3
EDUC 221	Talent Development Model of Schooling	3
EDUC 222	Engaging Urban Parents, Families & Communities	2
EDUC 223	Instructional Technology for 21st Century	3
EDUC 225	Earth Science and Elementary Science Practices (and Lab)	3

Junior Year Fall

Item #	Title	Credits
EDUC 312	Introduction to Assessment & Measurement	3
EDUC 314	Principles of Teaching Math & Science in Urban Classrooms I	4
EDUC 315	Principles of Teaching Math & Science in Urban Classrooms II	4
EDUC 316	Strategies for Teaching English Language Learners	2
SPAN 001	Spanish I	3

Junior Year Spring

Item #	Title	Credits
EDUC 321	Literature & Writing in Urban, Elementary Schools	3
EDUC 322	Teaching Language Arts and Social Studies in Urban Elementary Schools	3
EDUC 323	Literacy Assessment & Instructional Frameworks in Urban, Elementary Schools	3
EDUC 324	Teaching Social Studies, Arts, Health and PE in Urban Elementary Schools	4
SPAN 002	Spanish II	3

Senior Year Fall

Item #	Title	Credits
EDUC 412	Research Foundations & Methods for Classroom Teachers	3
EDUC 450	Internship and Classroom Management.	9-12

Senior Year Spring

Item #	Title	Credits
EDUC 420	Interdisciplinary Research in STEM	3
EDUC 480	International Internship & Special Topics Seminar	9
	Total credits:	116-119

Human Development

Human Development (B.S.)

The Human Development Undergraduate degree program at Howard University is ecologically oriented and focuses on the study of individuals and families from a multidisciplinary perspective. Students may choose to concentrate on infancy, childhood, adolescence, or adult development. Specializations focus on the developmental process throughout the life-cycle and interpersonal relationships within the context of family and other human / environmental settings.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
HUDV 095	Human Development, Family, Culture and Society	3
MATH 006	College Algebra I	3
COMP 001	Life Sciences Lecture-Laboratory	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
HUDV 001	Freshman Orientation Seminar in Human Development	1

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
HUDV 113	Prenatal, Infancy and Early Childhood Development	3
SOCI 001	Introduction to Sociology	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
COMP 004	Computers and Society	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
HUDV 114	Growth and Development in Childhood and Adolescence	3
HHPL 102	Human Anatomy (Majors only)	3
HHPL 108	Human Anatomy Laboratory	3
SLMC 101	Principles of Speech.	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
PSYC 003	Statistics I	4

Sophomore Year Second Semester

Item #	Title	Credits
HUDV 150	Positive Aging in Adult Development	3
HHPL 103	Human Physiology	3
ECON 001	Principles of Economics I	3
PSYC 004	Statistics II	4
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
HUDV 119	Diverse Youth of Color	3
HUDV 148	Research in Human Development	3
POLS 010	The National Government of the United States	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
HUDV 141	Risk and Resiliency in Families and Intimate Relationships.	3
HUDV 118	Children and Adolescents Placed at Risk	3
HUDV 120	Interdisciplinary Perspectives in Human Development	3
NUTR 160	Nutrition	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
HUDV 149	Youth, Consumer Culture and the Earth	3
HUDV 169	Internship in Human Development	6
HUDV 151	Thanatology: Death and Dying	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
HUDV 143	Parentology: Theory, Research, and Support Systems	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Total credits:	122

Undergraduate Curriculum Guide for the B.S. Degree in Human Development

The Human Development Undergraduate degree program at Howard University is ecologically oriented and focuses on the study of individuals and families from a multidisciplinary perspective. Students may choose to

concentrate on infancy, childhood, adolescence, or adult development. Specializations focus on the developmental process throughout the life-cycle and interpersonal relationships within the context of family and other human / environmental settings.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
HUDV 095	Human Development, Family, Culture and Society	3
MATH 006	College Algebra I	3
COMP 001	Life Sciences Lecture-Laboratory	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
HUDV 001	Freshman Orientation Seminar in Human Development	1

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
HUDV 113	Prenatal, Infancy and Early Childhood Development	3
SOCI 001	Introduction to Sociology	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
COMP 004	Computers and Society	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
HUDV 114	Growth and Development in Childhood and Adolescence	3
HHPL 102	Human Anatomy (Majors only)	3
HHPL 108	Human Anatomy Laboratory	3
SLMC 101	Principles of Speech.	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Statistics I	3

Sophomore Year Second Semester

Item #	Title	Credits
HUDV 150	Positive Aging in Adult Development	3
HHPL 103	Human Physiology	3
ECON 001	Principles of Economics I	3
	Statistics II	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
HUDV 119	Diverse Youth of Color	3
HUDV 148	Research in Human Development	3
POLS 010	The National Government of the United States	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
HUDV 141	Risk and Resiliency in Families and Intimate Relationships.	3
HUDV 118	Children and Adolescents Placed at Risk	3
HUDV 120	Interdisciplinary Perspectives in Human Development	3
NUTR 160	Nutrition	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
HUDV 149	Youth, Consumer Culture and the Earth	3
HUDV 169	Internship in Human Development	6
HUDV 151	Thanatology: Death and Dying	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
HUDV 143	Parentology: Theory, Research, and Support Systems	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Total credits:	120

College of Engineering and Architecture

Civil Engineering

Civil Engineering (B.S.)

The Department of Civil Engineering at Howard University offers a Bachelor of Science degree in Civil Engineering. The study of civil engineering addresses the grand challenges of restoring, protecting, and improving our Nation's infrastructure with a keen eye on sustainable, green design. At Howard University, faculty and students are involved in interdisciplinary research involving collaborations with departments both within Howard and external to Howard and have made distinct inroads in research and education within our field.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	General Electives (Options: To be determined in consultation with advisor)	6

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
CIEG 102	Introduction to Civil Engineering	3
PHYS 013	General Physics for Science and Engineering Students	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
CIEG 202	Statics	3
PHYS 014	General Physics for Science and Engineering Students	3
	Basic Science Elective	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
CIEG 302	Dynamics	3
CIEG 351	Probability and Statistics	3
MEEG 309	Material Science	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Junior Year First Semester

Item #	Title	Credits
CIEG 207	Introduction to Environmental Engineering	3
CIEG 301	Mechanics of Materials Lecture	4
CIEG 311	Fluid Mechanics Lecture	3
MATH 164	Introduction to Numerical Analysis	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Junior Year Second Semester

Item #	Title	Credits
CIEG 314	Basic Structural Analysis	3
CIEG 350	Engineering Economics	3
CIEG 352	Water Resources Engineering I,	3
CIEG 416	Transportation Engineering	3
CIEG 434	Soil Mechanics Lecture	3
CIEG 438	Soil Mechanics Lab	1

Senior Year First Semester

Item #	Title	Credits
CIEG 439	Senior Design I	3
	CIEG Elective	3
	CIEG Elective	3
	CIEG Elective	3
	CIEG Elective	3

Senior Year Second Semester

Item #	Title	Credits
CIEG 441	Senior Design II	3
CIEG 462	Seminar	1
	Technical Elective	3
	Technical Elective	3
	Humanities/Soc. Sci. Elective	3
	Total credits:	122

Undergraduate Curriculum Guide for the Bachelor Science Degree in Civil Engineering

The Department of Civil Engineering at Howard University offers a Bachelor of Science degree in Civil Engineering. The study of civil engineering addresses the grand challenges of restoring, protecting, and improving our Nation's infrastructure with a keen eye on sustainable, green design. At Howard University, faculty and students are involved in interdisciplinary research involving collaborations with departments both within Howard and external to Howard and have made distinct inroads in research and education within our field.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
CIEG 102	Introduction to Civil Engineering	3
PHYS 013	General Physics for Science and Engineering Students	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
CIEG 202	Statics	3
PHYS 014	General Physics for Science and Engineering Students	3
	Basic Science Elective	3

Sophomore Year Second Semester

Item #	Title	Credits
CIEG 302	Dynamics	3
CIEG 351	Probability and Statistics	3
MEEG 309	Material Science	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
CIEG 207	Introduction to Environmental Engineering	3
CIEG 301	Mechanics of Materials Lecture	4
CIEG 311	Fluid Mechanics Lecture	3
MATH 164	Introduction to Numerical Analysis	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
CIEG 314	Basic Structural Analysis	3
CIEG 350	Engineering Economics	3
CIEG 352	Water Resources Engineering I,	3
CIEG 416	Transportation Engineering	3
CIEG 434	Soil Mechanics Lecture	3
CIEG 438	Soil Mechanics Lab	1

Senior Year First Semester

Item #	Title	Credits
CIEG 439	Senior Design I	3
	CIEG Elective	3
	CIEG Elective	3
	CIEG Elective	3
	CIEG Elective	3

Senior Year Second Semester

Item #	Title	Credits
CIEG 441	Senior Design II	3
CIEG 462	Seminar	1
	Technical Elective	3
	Technical Elective	3
	Humanities/Soc. Sci. Elective	3
	Total credits:	101

Computer Science

Computer Science (B.S.)

The undergraduate degree in computer science is a stepping stone for students interested in computer science careers or graduate studies in computer science or programming.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
SYCS 100	Introduction to Systems and Computer Science	2
SYCS 235	Computer Science Lab	1
	Non-Technical Elective	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SYCS 135	Computer Science I	4
SYCS 211	Unix Lab	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
SYCS 201	Computer Organization I	3
SYCS 136	Computer Science II	3
MATH 181	Discrete Structures	3
	Science II & Lab	4
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
SYCS 354	Computer Science III	3
SYCS 363	Large Scale Programming	3
SYCS 202	Computer Organization II	3
MATH 180	Introduction to Linear Algebra	3
	Science III & Lab	4

Junior Year First Semester

Item #	Title	Credits
SYCS 341	Theory of Computation	3
SYCS 470	Fundamentals of Algorithms	3
SYCS 375	Software Engineering	3
MATH 189	Probability and Statistics I	3
	Technical Elective	3

Junior Year Second Semester

Item #	Title	Credits
SYCS 432	Database Systems	3
SYCS 376	Operations Research (formerly Systems II)	3
ENGL 009	Technical Writing, Pre-Professional	3
SYCS 350	Structure of Programming Languages	3
	Technical Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
SYCS 401	Operating Systems	3
SYCS 410	Modeling and Simulation	3
SYCS 491	Senior Project I	2
	Technical Elective	3
	Non-Technical Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
SYCS 472	Systems Management Analysis	3
SYCS 492	Senior Project II	2
	Non-Technical Elective	3
	Non-Technical Elective	3
	Technical Elective	3

Technical Electives-(Courses under code BIOL, CHEM, PHYS, MATH, ECON, CIEG, CHEG,CSCI, SYCS, INFO,EECE, & MEEG level 000 to 299)

Non-Technical Electives-(Courses other than those under code BIOL, CHEM, PHYS, MATH, ECON, CIEG, CHEG,CSCI, SYCS, INFO,EECE, & MEEG level 000 to 299)

Undergraduate Curriculum Guide Bachelor of Science Degree in Computer Engineering

The Department offers a program of study geared to students who wish to pursue careers in the emerging field of software engineering. The undergraduate curriculum provides students with a comprehensive knowledge of the theory, design and application of digital computers, information processing technologies and systems engineering. The program is accredited by the Computing Accreditation Commission of ABET.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
EECE 156	Math I Lab	1
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
EECE 157	Math Lab II	1
EECE 102	Introduction to Electrical & Computer Engineering	1
PHYS 013	General Physics for Science and Engineering Students	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
EECE 158	Math Lab III	1
PHYS 014	General Physics for Science and Engineering Students	3
SYCS 135	Computer Science I	4
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
EECE 160	Engineering Mathematics	3
SYCS 136	Computer Science II	3
EECE 202	Network Analysis I	3
EECE 208	Introduction to Electrical Laboratory	1
EECE 211 [Old 311]	Digital Systems Design,	3
EECE 218	Fundamentals of Digital Systems Design Laboratory	1

Junior Year First Semester

Item #	Title	Credits
ECON 001	Principles of Economics I	3
	Fund. Of Electromagnetics	3
	Fund. Of Electromagnetics Lab	1
SYCS 201	Computer Organization I	3
EECE 406	Advanced Digital Systems Design	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
EECE 416	Microcomputer Design	3
MATH 181	Discrete Structures	3
EECE 331	Probability & Random Variables for Engineers	3
	Fund. Of Elec. & SS Devices	3
	Fund. Of Elec. & SS Devices Lab	1
	Research in Undergrad. Exp.	1

Senior Year First Semester

Item #	Title	Credits
EECE 401	Senior Design I	3
	EE/CpE Elective	3
	EE/CpE Elective	3
	African American Cluster (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
EECE 404	Senior Design II,	3
	CpE Elective	3
	CpE Elective	3
	CpE Elective	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	103

Electrical Engineering

Electrical Engineering (B.S.)

Students seeking a Bachelor of Science in Electrical Engineering must complete a minimum of 120 credit hours including core courses in Electrical Engineering, Computer Programming, Mathematics, Science, and Liberal Arts, humanities / Social Sciences, and African American Studies. This program is accredited by the Engineering Accreditation Commission of ABET.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
EECE 156	Math I Lab	1
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	General Electives (Options: To be determined in consultation with advisor)	6

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
EECE 157	Math Lab II	1
EECE 102	Introduction to Electrical & Computer Engineering	1
PHYS 013	General Physics for Science and Engineering Students	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
EECE 158	Math Lab III	1
PHYS 014	General Physics for Science and Engineering Students	3
SYCS 135	Computer Science I	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
EECE 160	Engineering Mathematics	3
EECE 202	Network Analysis I	3
EECE 208	Introduction to Electrical Laboratory	1
EECE 211 [Old 311]	Digital Systems Design,	3
EECE 218	Fundamentals of Digital Systems Design Laboratory	1
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
ECON 001	Principles of Economics I	3
EECE 305	Fundamental: Electromagnetics	3
EECE 306	Fundamental: Electromagnetics Lab	1
EECE 325	Fundamentals of Energy Systems	3
EECE 326	Fundamentals of Energy Systems Lab	1
EECE 333	Fundamentals of Signals and Systems	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Junior Year Second Semester

Item #	Title	Credits
EECE 331	Probability & Random Variables for Engineers	3
EECE 309	Fundamentals of Electronics & SS Devices	3
EECE 312	Fund: Elec & SS Devices Lab	1
	Engineering Science Elective	3
EECE 320	Research in Undergraduate Experience	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
EECE 401	Senior Design I	3
	EE/CpE Elective	3
	EE/CpE Elective	3
	EE/CpE Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
EECE 404	Senior Design II,	3
	EE/CpE Elective	3
	EE/CpE Elective	3
	EE/CpE Elective	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	122

Undergraduate Curriculum Guide for Bachelor of Science in Electrical Engineering

Students seeking a Bachelor of Science in Electrical Engineering must complete a minimum of 120 credit hours including core courses in Electrical Engineering, Computer Programming, Mathematics, Science, and Liberal Arts, humanities / Social Sciences, and African American Studies. This program is accredited by the Engineering Accreditation Commission of ABET.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
EECE 156	Math I Lab	1
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
EECE 157	Math Lab II	1
EECE 102	Introduction to Electrical & Computer Engineering	1
PHYS 013	General Physics for Science and Engineering Students	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
EECE 158	Math Lab III	1
PHYS 014	General Physics for Science and Engineering Students	3
SYCS 135	Computer Science I	4
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
EECE 160	Engineering Mathematics	3
EECE 202	Network Analysis I	3
EECE 208	Introduction to Electrical Laboratory	1
EECE 211 [Old 311]	Digital Systems Design,	3
EECE 218	Fundamentals of Digital Systems Design Laboratory	1

Junior Year First Semester

Item #	Title	Credits
ECON 001	Principles of Economics I	3
	Fund. Of Electromagnetics	3
	Fund. Of Electromagnetics Lab	1
	Fund. Of Energy Systems	3
	Fund. Of Energy Systems Lab	1
	Fund. Of Signals and Systems	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3

Junior Year Second Semester

Item #	Title	Credits
EECE 331	Probability & Random Variables for Engineers	3
	Fund. Of Electronics & SS Devices	3
	Fund. Of Elec. & SS Devices Lab	1
	Engineering Science Elective	3
	Research in Undergrad. Exp.	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
EECE 401	Senior Design I	3
	EE/CpE Elective	3
	EE/CpE Elective	3
	EE/CpE Elective	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Senior Year Second Semester

Item #	Title	Credits
EECE 404	Senior Design II,	3
	EE/CpE Elective	3
	EE/CpE Elective	3
	EE/CpE Elective	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	101

Architecture

Undergraduate Curriculum Guide for the Bachelor of Architecture Degree

The Department of Architecture offers a program of study leading to the five-year Bachelor of Architecture (B.Arch.) professional degree accredited by the National Architectural Accreditation Board (NAAB). The program places emphasis on student competence in the following pragmatic areas: design, inquiry/research, architectural history and theory, human behavior and environment, technical systems, computer usage and professional practice. Study in these areas provides the student with fundamental design and communication skills through critical thinking, conflict resolution, visual literacy, knowledge of forces that shape and influence societal and human affairs and the impact of new technologies in an ever-changing world test.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
ARCH 003	Environment and Architecture	3
ARCH 150	Design Communications I	3
MATH 006	College Algebra I	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
MATH 007	Precalculus	4
ARCH 011	Elements of Architecture	3
ARCH 151	Design Communication II	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
ARCH 199	Design I	6
ARCH 301	Architectural History Survey I	3
ARCH 401	Materials and Methods I	3
PHYS 008	Physics for Architecture Students	5

Sophomore Year Second Semester

Item #	Title	Credits
ARCH 200	Design II	6
ARCH 302	Architecture History Survey II	3
ARCH 402	Materials and Methods II	3
ARCH 511	Introduction to Computer Applications in Architecture	3
	Liberal Arts	3

Lower Junior Year First Semester

Item #	Title	Credits
ARCH 201	Design III	6
ARCH 521	Introduction to Environmental Systems I	3
ARCH 501	Structures I (Statics)	3
ARCH 901	Programming	3
	Professional Elective (Arch. Hist.)	3

Lower Junior Year Second Semester

Item #	Title	Credits
ARCH 202	Design IV	6
ARCH 651	Principles of Urban Design	3
ARCH 522	Introduction to Environmental Systems II	3
ARCH 502	Structures II (Strength)	3
	Professional Elective (Arch. Hist.)	3

Upper Junior Year First Semester

Item #	Title	Credits
ARCH 203	Design V	6
ARCH 951	Construction Documents I	3
	Professional Elective (Arch. Hist.)	3
	Professional Elective (Structures)	3
	Liberal Arts	3

Upper Junior Year Second Semester

Item #	Title	Credits
ARCH 204	Design VI	6
	Professional Elective (Environment)	3
	Professional Elective	3
	Liberal Arts	3

Senior (5th) Year First Semester

Item #	Title	Credits
ARCH 205	Design VII	6
ARCH 891	Thesis Preparation	3
	Professional Elective (Tech)	3
	Professional Elective	3
	Professional Elective	3

Senior (5th) Year Second Semester

Item #	Title	Credits
ARCH 206	Design VIII (Thesis)	6
ARCH 751	Professional Practice	3
	Professional Elective	3
	Liberal Studies Elective	3
	Total credits:	170

Architecture (B.ARCH.)

The Department of Architecture offers a program of study leading to the five-year Bachelor of Architecture (B.Arch.) professional degree accredited by the National Architectural Accreditation Board (NAAB). The program places emphasis on student competence in the following pragmatic areas: design, inquiry/research, architectural history and theory, human behavior and environment, technical systems, computer usage and

professional practice. Study in these areas provides the student with fundamental design and communication skills through critical thinking, conflict resolution, visual literacy, knowledge of forces that shape and influence societal and human affairs and the impact of new technologies in an ever- changing world test.

Type: B.ARCH.

Type: B.ARCH.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
ARCH 003	Environment and Architecture	3
ARCH 150	Design Communications I	3
MATH 006	College Algebra I	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 007	Precalculus	4
ARCH 011	Elements of Architecture	3
ARCH 151	Design Communication II	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
ARCH 199	Design I	6
ARCH 301	Architectural History Survey I	3
ARCH 401	Materials and Methods I	3
PHYS 008	Physics for Architecture Students	5

Sophomore Year Second Semester

Item #	Title	Credits
ARCH 200	Design II	6
ARCH 302	Architecture History Survey II	3
ARCH 402	Materials and Methods II	3
ARCH 511	Introduction to Computer Applications in Architecture	3
	Liberal Arts	3

Lower Junior Year First Semester

Item #	Title	Credits
ARCH 201	Design III	6
ARCH 521	Introduction to Environmental Systems I	3
ARCH 501	Structures I (Statics)	3
ARCH 901	Programming	3
	Professional Elective	3

Lower Junior Year Second Semester

Item #	Title	Credits
ARCH 202	Design IV	6
ARCH 651	Principles of Urban Design	3
ARCH 522	Introduction to Environmental Systems II	3
ARCH 502	Structures II (Strength)	3
	Professional Elective	3

Upper Junior Year First Semester

Item #	Title	Credits
ARCH 203	Design V	6
ARCH 951	Construction Documents I	3
	Professional Elective	3
	Professional Elective	3
	Liberal Arts	3

Upper Junior Year Second Semester

Item #	Title	Credits
ARCH 204	Design VI	6
	Professional Elective	3
	Professional Elective	3
	Liberal Arts	3

Senior (5th) Year First Semester

Item #	Title	Credits
ARCH 205	Design VII	6
ARCH 891	Thesis Preparation	3
	Professional Elective	3
	Professional Elective	3
	Professional Elective	3

Senior (5th) Year Second Semester

Item #	Title	Credits
ARCH 206	Design VIII (Thesis)	6
ARCH 751	Professional Practice	3
	Professional Elective	3
	Liberal Studies Elective	3
	Total credits:	170

Chemical Engineering

Chemical Engineering (B.S.)

The Bachelor of Science in Chemical Engineering (BSChE) degree program is accredited by the Engineering Accreditation Commission of ABET. Students seeking the (BSChE) degree must complete a minimum of 120 credits. This includes 62 credits in Math Sciences, Humanities, Social Sciences and 52 core Engineering credits. Chemical Engineering primarily deals with the many aspects of processes in which matter and energy undergo change. It is based on the sciences of chemistry, physics and mathematics and the principles of economics and environmental protection.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	Humanities/Soc. Sci. Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
CHEG 102	Introduction to Engineering Design	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
PHYS 013	General Physics for Science and Engineering Students	3
SYCS 165	Scientific Computing for Engineers	3
CHEG 201	Chemical Engineering Material Balances	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
PHYS 014	General Physics for Science and Engineering Students	3
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
CHEG 202	Chemical Engineering Energy Balances	3
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year First Semester

Item #	Title	Credits
CHEM 171	Physical Chemistry Lecture	3
CHEM 173	Physical Chemistry Laboratory	1
CHEG 301	Fluid Mechanics	3
CHEG 303	Chemical Engineering Thermodynamics	3
	Humanities/Soc. Sci. Elective	3

Junior Year Second Semester

Item #	Title	Credits
CHEG 302	Heat Transfer	3
CHEG 306	Chemical Engineering Analysis	3
	Technical Elective	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year First Semester

Item #	Title	Credits
CHEG 401	Separation Process/Mass Transfer	3
CHEG 407	Process Design I	3
CHEG 405	Chemical Engineering Laboratory	3
CHEG 403	Chemical Reaction Engineering	3
	Engineering Elective (Options: Courses under code CHEG, EECE, MEEG,)	3

Senior Year Second Semester

Item #	Title	Credits
CHEG 402	Process Control	3
CHEG 414	Process Design II	3
	Ch. E. Elective	3
	Humanities/Soc. Sci. Elective	3
	Humanities/Soc. Sci. Elective	3
	Total credits:	122

Undergraduate Curriculum Guide for B.S. Degree in Chemical Engineering

The Bachelor of Science in Chemical Engineering (BSChE) degree program is accredited by the Engineering Accreditation Commission of ABET. Students seeking the (BSChE) degree must complete a minimum of 120 credits. This includes 62 credits in Math Sciences, Humanities, Social Sciences and 52 core Engineering credits.

Chemical Engineering primarily deals with the many aspects of processes in which matter and energy undergo change. It is based on the sciences of chemistry, physics and mathematics and the principles of economics and environmental protection.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	Humanities/Soc. Sci. Elective	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
CHEG 102	Introduction to Engineering Design	3

Sophomore Year First Semester

Item #	Title	Credits
PHYS 013	General Physics for Science and Engineering Students	3
SYCS 165	Scientific Computing for Engineers	3
CHEG 201	Chemical Engineering Material Balances	3

Sophomore Year Second Semester

Item #	Title	Credits
PHYS 014	General Physics for Science and Engineering Students	3
CHEM 145	Organic Chemistry Laboratory and Laboratory	3
CHEG 202	Chemical Engineering Energy Balances	3

Junior Year First Semester

Item #	Title	Credits
CHEM 171	Physical Chemistry Lecture	3
CHEM 173	Physical Chemistry Laboratory	1
CHEG 301	Fluid Mechanics	3
CHEG 303	Chemical Engineering Thermodynamics	3
	Humanities/Soc. Sci. Elective	3

Junior Year Second Semester

Item #	Title	Credits
CHEG 302	Heat Transfer	3
CHEG 306	Chemical Engineering Analysis	3
	Technical Elective	3

Senior Year First Semester

Item #	Title	Credits
CHEG 401	Separation Process/Mass Transfer	3
CHEG 407	Process Design I	3
CHEG 405	Chemical Engineering Laboratory	3
CHEG 403	Chemical Reaction Engineering	3
	Engineering Elective (Options: Courses under code CHEG, EECE, MEEG,)	3

Senior Year Second Semester

Item #	Title	Credits
CHEG 402	Process Control	3
CHEG 414	Process Design II	3
	Ch. E. Elective	3
	Humanities/Soc. Sci. Elective	3
	Humanities/Soc. Sci. Elective	3
	Total credits:	89

Mechanical Engineering

Mechanical Engineering (B.S.)

The Department of Mechanical Engineering offers studies leading to the Bachelor of Science in Mechanical Engineering. Mechanical Engineers apply the principles of mechanics and energy to the design of machines and devices. They must be able to control mechanical systems and usually work with other professionals in designing these systems. Automobiles, engines, heating and air-conditioning system, gas and steam turbines, air and space vehicles, trains, ships, servomechanisms, transmission mechanisms, machine tools, material handling systems, elevators and escalators, and robots used in industry are a few of the systems and devices requiring mechanical engineering knowledge.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
MEEG 103	Introduction to Computer Aided Design	2
CHEM 003	General Chemistry and Recitation	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
PHYS 013	General Physics for Science and Engineering Students	3
MEEG 102	Introduction to Engineering II	1
ECON 001	Principles of Economics I	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
PHYS 014	General Physics for Science and Engineering Students	3
MEEG 207	Introduction to Engineering Computations	2
CIEG 202	Statics	3
ECON 002	Principles of Economics II	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
MEEG 309	Material Science	3
MEEG 204	Solid Mechanics,	3
MEEG 305	Thermodynamics	3
CIEG 302	Dynamics	3
MEEG 206	Solid Mechanics Lab	1

Junior Year First Semester

Item #	Title	Credits
MEEG 301	System Dynamics	1
MEEG 307	Fluid Mechanics I	3
MEEG 310	Mechanical Design I	3
EECE 310	Principles of Electronics	2
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MEEG 308	Aerofluid Dynamics	3
MEEG 306	Applied Thermodynamics	3
MEEG 311	Mechanical Design II	3
MEEG 313	System Dynamics and Controls	4
MEEG 316	Instrumentation & Experimentation Lab	2

Senior Year First Semester

Item #	Title	Credits
MEEG 403	Heat Transfer	3
MEEG 415	Experimentation II	2
MEEG 441	Senior Project I	3
	Technical Elective	3
CIEG 351	Probability and Statistics	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
MEEG 442	Senior Project II,	3
	Technical Elective	3
	Humanities/Soc. Sci. Elect.	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	120

Undergraduate Curriculum Guide for the Bachelor of Science Degree in Mechanical Engineering

The Department of Mechanical Engineering offers studies leading to the Bachelor of Science in Mechanical Engineering. Mechanical Engineers apply the principles of mechanics and energy to the design of machines and devices. They must be able to control mechanical systems and usually work with other professionals in designing these systems. Automobiles, engines, heating and air-conditioning system, gas and steam turbines, air and space vehicles, trains, ships, servomechanisms, transmission mechanisms, machine tools, material handling systems, elevators and escalators, and robots used in industry are a few of the systems and devices requiring mechanical engineering knowledge.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
MEEG 103	Introduction to Computer Aided Design	2
CHEM 003	General Chemistry and Recitation	4
	Physical Education Elective (options: courses under subject code HHPL)	1

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
PHYS 013	General Physics for Science and Engineering Students	3
MEEG 102	Introduction to Engineering II	1
ECON 001	Principles of Economics I	3

Sophomore Year First Semester

Item #	Title	Credits
PHYS 014	General Physics for Science and Engineering Students	3
MEEG 207	Introduction to Engineering Computations	2
CIEG 202	Statics	3
ECON 002	Principles of Economics II	3

Sophomore Year Second Semester

Item #	Title	Credits
MEEG 309	Material Science	3
MEEG 204	Solid Mechanics,	3
MEEG 305	Thermodynamics	3
CIEG 302	Dynamics	3
MEEG 206	Solid Mechanics Lab	1

Junior Year First Semester

Item #	Title	Credits
MEEG 301	System Dynamics	1
MEEG 307	Fluid Mechanics I	3
MEEG 310	Mechanical Design I	3
EECE 310	Principles of Electronics	2
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
MEEG 308	Aerofluid Dynamics	3
MEEG 306	Applied Thermodynamics	3
MEEG 311	Mechanical Design II	3
MEEG 313	System Dynamics and Controls	4
MEEG 316	Instrumentation & Experimentation Lab	2

Senior Year First Semester

Item #	Title	Credits
MEEG 403	Heat Transfer	3
MEEG 415	Experimentation II	2
MEEG 441	Senior Project I	3
	Technical Elective	3
CIEG 351	Probability and Statistics	3

Senior Year Second Semester

Item #	Title	Credits
MEEG 442	Senior Project II,	3
	Technical Elective	3
	Humanities/Soc. Sci. Elect.	3
	General Elective (Options: To be determined in consultation with advisor)	3

Computer Engineering

Computer Engineering (B.S.)

The Department offers a program of study geared to students who wish to pursue careers in the emerging field of software engineering. The undergraduate curriculum provides students with a comprehensive knowledge of the theory, design and application of digital computers, information processing technologies and systems engineering. The program is accredited by the Computing Accreditation Commission of ABET.

Type: B.S.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
EECE 156	Math I Lab	1
CHEM 003	General Chemistry and Recitation	4
CHEM 005	General Chemistry Laboratory	1
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
EECE 157	Math Lab II	1
EECE 102	Introduction to Electrical & Computer Engineering	1
PHYS 013	General Physics for Science and Engineering Students	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
EECE 158	Math Lab III	1
PHYS 014	General Physics for Science and Engineering Students	3
SYCS 135	Computer Science I	4
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
EECE 160	Engineering Mathematics	3
SYCS 136	Computer Science II	3
EECE 202	Network Analysis I	3
EECE 208	Introduction to Electrical Laboratory	1
EECE 211 [Old 311]	Digital Systems Design,	3
EECE 218	Fundamentals of Digital Systems Design Laboratory	1
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
ECON 001	Principles of Economics I	3
EECE 305	Fundamental: Electromagnetics	3
EECE 306	Fundamental: Electromagnetics Lab	1
SYCS 201	Computer Organization I	3
EECE 406	Advanced Digital Systems Design	3
	Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
EECE 416	Microcomputer Design	3
MATH 181	Discrete Structures	3
EECE 331	Probability & Random Variables for Engineers	3
EECE 309	Fundamentals of Electronics & SS Devices	3
EECE 312	Fund: Elec & SS Devices Lab	1
EECE 320	Research in Undergraduate Experience	1

Senior Year First Semester

Item #	Title	Credits
EECE 401	Senior Design I	3
	EE/CpE Elective	3
	EE/CpE Elective	3
	African American Cluster (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
EECE 404	Senior Design II,	3
	CpE Elective	3
	CpE Elective	3
	CpE Elective	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Undergraduate Curriculum Guide for the Bachelor of Science Degree in Systems and Computer Science

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
ENGL 002	Freshman Composition	3
EGPP 101	Introduction to Engineering	2
SYCS 100	Introduction to Systems and Computer Science	2
	Science I Lec & Lab	4
	Non-Technical Elective	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
SYCS 135	Computer Science I	4
SYCS 211	Unix Lab	1

Sophomore Year First Semester

Item #	Title	Credits
SYCS 201	Computer Organization I	3
SYCS 136	Computer Science II	3
MATH 181	Discrete Structures	3
	Science II & Lab	4

Sophomore Year Second Semester

Item #	Title	Credits
SYCS 354	Computer Science III	3
SYCS 363	Large Scale Programming	3
SYCS 202	Computer Organization II	3
MATH 180	Introduction to Linear Algebra	3
	Science III & Lab	4

Junior Year First Semester

Item #	Title	Credits
SYCS 341	Theory of Computation	3
SYCS 470	Fundamentals of Algorithms	3
SYCS 375	Software Engineering	3
MATH 189	Probability and Statistics I	3
	Technical Elective	3

Junior Year Second Semester

Item #	Title	Credits
SYCS 432	Database Systems	3
SYCS 376	Operations Research (formerly Systems II)	3
ENGL 009	Technical Writing, Pre-Professional	3
SYCS 350	Structure of Programming Languages	3
	Technical Elective	3

Senior Year First Semester

Item #	Title	Credits
SYCS 401	Operating Systems	3
SYCS 410	Modeling and Simulation	3
SYCS 491	Senior Project I	2
	Technical Elective	3
	Non-Technical Elective	3

Senior Year Second Semester

Item #	Title	Credits
SYCS 472	Systems Management Analysis	3
SYCS 492	Senior Project II	2
	Non-Technical Elective	3
	Non-Technical Elective	3
	Technical Elective	3
	Total credits:	109

School of Business

Hospitality Management

Hospitality Management (B.B.A.)

The Bachelor of Business Administration in Hospitality Management. The primary mission of the program is to provide students with a comprehensive professional education. The hospitality curriculum is designed to provide both theoretical and practical experience to address the changing needs of the hospitality industry. It integrates a variety of university courses in the humanities, social sciences, and science disciplines with a heavy concentration of business and hospitality management courses.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	History Elective* (Options: Courses in code HIST)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
HOSP 300	Introduction to the Hospitality Industry	3
	Physical Education Elective (options: courses under subject code HHPL)	1
MGMT 001	Business Orientation	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
BCOM 320	Business Communications	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 311	Finance Principles	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
HOSP 303	Food Service Management	3
	Hospitality Management Elective	3
BLAW 305	Business Law I	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Senior Year First Semester

Item #	Title	Credits
HOSP 301	Hotel/Motel/Restaurant Management	3
	Hospitality Management Elective	3
BECN 330	Managerial Economics	3
	MGMT 304 or MGMT 350	3
	Non-Business Elective	3

Senior Year Second Semester

Item #	Title	Credits
MGMT 380	Seminar in Management	3
MGMT 351	Entrepreneurship	3
MGMT 390	Business Policy	3
	Non-Business Elective	3
	Literature Elective	3
	Total credits:	118

Undergraduate Curriculum Guide for the B.B.A. Degree in Management –Hospitality Management Concentration

The Bachelor of Business Administration in Hospitality Management. The primary mission of the program is to provide students with a comprehensive professional education. The hospitality curriculum is designed to provide both theoretical and practical experience to address the changing needs of the hospitality industry. It integrates a variety of university courses in the humanities, social sciences, and science disciplines with a heavy concentration of business and hospitality management courses.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	History Elective* (Options: Courses in code HIST)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
ENGL 003	Freshman Composition	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
HOSP 300	Introduction to the Hospitality Industry	3
	Physical Education Elective (options: courses under subject code HHPL)	1
MGMT 001	Business Orientation	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
BCOM 320	Business Communications	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 311	Finance Principles	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
HOSP 303	Food Service Management	3
	Hospitality Management Elective	3
BLAW 305	Business Law I	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Senior Year First Semester

Item #	Title	Credits
HOSP 301	Hotel/Motel/Restaurant Management	3
	Hospitality Management Elective	3
BECN 330	Managerial Economics	3
	MGMT 304 or MGMT 350	3
	Non-Business Elective	3

Senior Year Second Semester

Item #	Title	Credits
MGMT 380	Seminar in Management	3
MGMT 351	Entrepreneurship	3
MGMT 390	Business Policy	3
	Non-Business Elective	3
	Literature Elective	3
	Total credits:	118

Finance

Finance (B.B.A.)

The Finance program offers a comprehensive, intensive, and rigorous curriculum for students who wish to pursue careers in corporate finance, investments, investment banking, commercial banking, financial analysis, personal financial planning, and other areas of the global financial services industry.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Foreign Language (Level 2+)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
POLS 001	Introduction to Political Science	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Physical Education Elective (options: courses under subject code HHPL)	1
MGMT 001	Business Orientation	1
	Literature Elective	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
BCOM 320	Business Communications	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 312	Business Finance	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
FINA 363	Computer Application of Financial Analysis	3
BLAW 305	Business Law I	3
BECN 330	Managerial Economics	3
ACCT 310	Intermediate Accounting I	3

Senior Year First Semester

Item #	Title	Credits
FINA 313	Financial Management	3
FINA 330	Principles of Investments	3
	Finance Elective	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	Non-Business Elective	3

Senior Year Second Semester

Item #	Title	Credits
FINA 380	Business Finance Policy and Decision Making	3
	Finance Elective	3
MGMT 351	Entrepreneurship	3
MGMT 390	Business Policy	3
	Non-Business Elective	3
	Total credits:	121

Finance – Actuarial Science Concentration (B.B.A.)

The Finance program with the Actuarial Science concentration at Howard University offers a comprehensive, intensive, and rigorous curriculum for students who wish to pursue careers in corporate finance, investments, investment banking, financial analysis, personal financial planning, and other areas of the global financial services industry. The department is also affiliated with the two professional industry centers: the centers for Insurance Education (CIE) and the Center for Financial Services (CFS).

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman English	3
INFO 010	Business Problem Solving	2
	History Elective* (Options: Courses in code HIST)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Freshman Year Second Semester

Item #	Title	Credits
	Freshman English	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
INFO 204	Management Information Systems	3
MGMT 001	Business Orientation	1
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
BCOM 320	Business Communications	3
MATH 189	Probability and Statistics I	3
MATH 168	Actuarial Science Laboratory I	1
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 312	Business Finance	3
MATH 190	Probability and Statistics II	3
MKTG 301	Principles of Marketing	3
INSU 350	Risk and Insurance	3

Junior Year Second Semester

Item #	Title	Credits
FINA 363	Computer Application of Financial Analysis	3
BLAW 305	Business Law I	3
BECN 330	Managerial Economics	3
INSU 351	Life and Health Insurance	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
FINA 313	Financial Management	3
INSU 352	Property Liability Insurance	3
MATH 193	Actuarial Science Seminar	3
ECON 184	Introduction to Econometrics	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3

Senior Year Second Semester

Item #	Title	Credits
FINA 380	Business Finance Policy and Decision Making	3
INSU 354	Risk Management	3
INFO 335	Production and Operations Management	3
MGMT 390	Business Policy	3
	Total credits:	122

Finance — Risk Management & Insurance Concentration (B.B.A)

The Finance program with the Risk Management & Insurance concentration at Howard University offers a comprehensive, intensive, and rigorous curriculum for students who wish to pursue careers in the insurance industry, finance, investments, financial analysis, personal financial planning, and other areas of the global financial services industry. The department is also affiliated with the two professional industry centers: the centers for Insurance Education (CIE) and the Center for Financial Services (CFS).

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman English	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	History Elective* (Options: Courses in code HIST)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman English	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
MGMT 001	Business Orientation	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Literature Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
BCOM 320	Business Communications	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 312	Business Finance	3
INSU 350	Risk and Insurance	3
MKTG 301	Principles of Marketing	3
	Science Elective	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
INSU 351	Life and Health Insurance	3
FINA 363	Computer Application of Financial Analysis	3
BLAW 305	Business Law I	3
BECN 330	Managerial Economics	3
ACCT 310	Intermediate Accounting I	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
FINA 313	Financial Management	3
FINA 330	Principles of Investments	3
INSU 352	Property Liability Insurance	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
	Non-Business Elective	3
	Total credits:	121

Undergraduate Curriculum Guide for the B.B.A. Degree in Finance

The Finance program offers a comprehensive, intensive, and rigorous curriculum for students who wish to pursue careers in corporate finance, investments, investment banking, commercial banking, financial analysis, personal financial planning, and other areas of the global financial services industry.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
	History of Political Science	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Physical Education Elective (options: courses under subject code HHPL)	1
MGMT 001	Business Orientation	1
	Literature Elective	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
BCOM 320	Business Communications	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 312	Business Finance	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
FINA 363	Computer Application of Financial Analysis	3
BLAW 305	Business Law I	3
BECN 330	Managerial Economics	3
ACCT 310	Intermediate Accounting I	3

Senior Year First Semester

Item #	Title	Credits
FINA 313	Financial Management	3
FINA 330	Principles of Investments	3
	Finance Elective	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	Non-Business Elective	3

Senior Year Second Semester

Item #	Title	Credits
FINA 380	Business Finance Policy and Decision Making	3
	Finance Elective	3
MGMT 351	Entrepreneurship	3
MGMT 390	Business Policy	3
	Non-Business Elective	3
	Total credits:	112

Undergraduate Curriculum Guide for the B.B.A. Degree in Finance – Actuarial Science Concentration

The Finance program with the Actuarial Science concentration at Howard University offers a comprehensive, intensive, and rigorous curriculum for students who wish to pursue careers in corporate finance, investments, investment banking, financial analysis, personal financial planning, and other areas of the global financial services industry. The department is also affiliated with the two professional industry centers: the centers for Insurance Education (CIE) and the Center for Financial Services (CFS).

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman English	3
INFO 010	Business Problem Solving	2
	History Elective* (Options: Courses in code HIST)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman English	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
INFO 204	Management Information Systems	3
MGMT 001	Business Orientation	1

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
BCOM 320	Business Communications	3
MATH 189	Probability and Statistics I	3
MATH 168	Actuarial Science Laboratory I	1

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 312	Business Finance	3
MATH 190	Probability and Statistics II	3
MKTG 301	Principles of Marketing	3
INSU 350	Risk and Insurance	3

Junior Year Second Semester

Item #	Title	Credits
FINA 363	Computer Application of Financial Analysis	3
BLAW 305	Business Law I	3
BECN 330	Managerial Economics	3
INSU 351	Life and Health Insurance	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Senior Year First Semester

Item #	Title	Credits
FINA 313	Financial Management	3
INSU 352	Property Liability Insurance	3
MATH 193	Actuarial Science Seminar	3
ECON 184	Introduction to Econometrics	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3

Senior Year Second Semester

Item #	Title	Credits
FINA 380	Business Finance Policy and Decision Making	3
INSU 354	Risk Management	3
INFO 335	Production and Operations Management	3
MGMT 390	Business Policy	3
	Total credits:	101

Undergraduate Curriculum Guide for the B.B.A. Degree in Finance — Risk Management & Insurance Concentration

The Finance program with the Risk Management & Insurance concentration at Howard University offers a comprehensive, intensive, and rigorous curriculum for students who wish to pursue careers in the insurance industry, finance, investments, financial analysis, personal financial planning, and other areas of the global financial services industry. The department is also affiliated with the two professional industry centers: the centers for Insurance Education (CIE) and the Center for Financial Services (CFS).

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman English	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	History Elective* (Options: Courses in code HIST)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman English	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
MGMT 001	Business Orientation	1
	Physical Education Elective (options: courses under subject code HHPL)	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Literature Elective	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
BCOM 320	Business Communications	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 312	Business Finance	3
INSU 350	Risk and Insurance	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INSU 351	Life and Health Insurance	3
FINA 363	Computer Application of Financial Analysis	3
BLAW 305	Business Law I	3
BECN 330	Managerial Economics	3
ACCT 310	Intermediate Accounting I	3

Senior Year First Semester

Item #	Title	Credits
FINA 313	Financial Management	3
FINA 330	Principles of Investments	3
INSU 352	Property Liability Insurance	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
	Non-Business Elective	3
	Total credits:	103

International Business

International Business (B.B.A.)

The International Business program at Howard University offers a Bachelors of Business Administration degree in two concentrations which are Functional and Regional. The Functional concentration includes courses in Finance, Risk Management & Insurance, Marketing, Accounting, Management, Information Systems, Supply Chain Management, etc. The Regional concentration covers emerging Nations, Europe, Latin America, Middle East/North Africa, and Sub-Saharan Africa.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**International business majors must complete a minimum of 4 semesters of a non-native foreign language, starting at level two or above, with one semester at the conversational level. IB majors who complete the conversational level in less than four semesters may choose to take another language until the four-semester foreign language minimum is completed. Students without Level 1 credits must complete these courses or their equivalent before taking Level 2+.

***International Business majors with a Functional Area Concentration in Finance must enroll in FINA 312.

Students must select a Functional or Regional Concentration.

Type: B.B.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Foreign Language (Level 3+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
INFO 204	Management Information Systems	3
MGMT 001	Business Orientation	1
	Foreign Language (Level 4+)	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
BCOM 320	Business Communications	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Conversation)	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
INBU 300	Principles of International Business	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
BLAW 305	Business Law I	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
INBU 320	International Marketing	3
FINA 311	Finance Principles	3
ANTH 110	Introduction to Cultural Anthropology	3
	Science Elective	3

Senior Year First Semester

Item #	Title	Credits
INBU 340	International Financial Management	3
	Int'l Business Elective	3
BECN 330	Managerial Economics	3
	Functional Area	3
	Functional Area	3

Senior Year Second Semester

Item #	Title	Credits
INBU 360	Management of International Business	3
MGMT 390	Business Policy	3
	Functional Area	3
	Functional Area	3
POLS 001	Introduction to Political Science	3
	Total credits:	121

Undergraduate Curriculum Guide for the B.B.A. Degree in International Business

The International Business program at Howard University offers a Bachelors of Business Administration degree in two concentrations which are Functional and Regional. The Functional concentration includes courses in Finance, Risk Management & Insurance, Marketing, Accounting, Management, Information Systems, Supply Chain Management, etc. The Regional concentration covers emerging Nations, Europe, Latin America, Middle East/North Africa, and Sub-Saharan Africa.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**International business majors must complete a minimum of 4 semesters of a non-native foreign language, starting at level two or above, with one semester at the conversational level. IB majors who complete the conversational level in less than four semesters may choose to take another language until the four-semester foreign language minimum is completed.

***International Business majors with a Functional Area Concentration in Finance must enroll in FINA 312.

3 Students must select a Functional or Regional Concentration.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Foreign Language (Level 3+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
INFO 204	Management Information Systems	3
MGMT 001	Business Orientation	1
	Foreign Language (Level 4+)	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
BCOM 320	Business Communications	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Conversation)	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
INBU 300	Principles of International Business	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
BLAW 305	Business Law I	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
INBU 320	International Marketing	3
FINA 311	Finance Principles	3
ANTH 110	Introduction to Cultural Anthropology	3
	Science Elective	3

Senior Year First Semester

Item #	Title	Credits
INBU 340	International Financial Management	3
	Int'l Business Elective	3
BECN 330	Managerial Economics	3
	Functional Area	3
	Functional Area	3

Senior Year Second Semester

Item #	Title	Credits
INBU 360	Management of International Business	3
	Business Policy	3
	Functional Area	3
	Functional Area	3
POLS 001	Introduction to Political Science	3
	Total credits:	118

Information Systems & Supply Chain Management

Computer Information Systems (B.B.A.)

The Department of Information Systems in the Howard University School of Business supports the core Business Administration curriculum and offers a degree programs at the undergraduate level (Computer Information Systems). The Information System major integrates business and computing. Information Systems focuses primarily on the role that information and technology play in creating business solutions.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Freshman Year Second Semester

Item #	Title	Credits
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
MGMT 001	Business Orientation	1
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
INFO 210	Introduction to Software Design	3
BCOM 320	Business Communications	3
	Political Science Elective (Options: Courses in code POLS)	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
INFO 330	Data Base Management	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
INFO 325	Introduction to Data and Network Communications	3
BLAW 305	Business Law I	3
FINA 311	Finance Principles	3
INFO 370	Systems Analysis and Design	3

Senior Year First Semester

Item #	Title	Credits
	Computer Information Systems Elective* (Options: Courses under code INFO)	3
	Computer Information Systems Elective* (Options: Courses under code INFO)	3
BECN 330	Managerial Economics	3
	Non-Business Elective	3

Senior Year Second Semester

Item #	Title	Credits
INFO 398	Information Systems Consulting	3
MGMT 351	Entrepreneurship	3
	Computer Information Systems Elective* (Options: Courses under code INFO)	3
MGMT 390	Business Policy	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	Total credits:	121

Supply Chain Management (B.B.A.)

The undergraduate academic program leads to the degree of Bachelor of Business Administration with a major in Supply Chain Management (SCM). The Supply Chain Management discipline teaches students about the identification, acquisition, access, positioning, management of resources and related capabilities a company needs or potentially needs in the attainment of its strategic objectives.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	History Elective* (Options: Courses in code HIST)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
	Physical Education Elective (options: courses under subject code HHPL)	1
MGMT 001	Business Orientation	1

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
BCOM 320	Business Communications	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Literature Elective	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 311	Finance Principles	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	General Electives (Options: To be determined in consultation with advisor)	6

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
BLAW 305	Business Law I	3
BECN 330	Managerial Economics	3
	Science Elective	3

Senior Year First Semester

Item #	Title	Credits
	SCHM Elective	3
	SCHM Elective	3
	Non-Business Elective	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	General Electives (Options: To be determined in consultation with advisor)	6

Senior Year Second Semester

Item #	Title	Credits
	SCHM Elective	3
MGMT 351	Entrepreneurship	3
MGMT 390	Business Policy	3
	Non-Business Elective	3
	Total credits:	118

Undergraduate Curriculum Guide for B.B.A. in Supply Chain Management

The undergraduate academic program leads to the degree of Bachelor of Business Administration with a major in Supply Chain Management (SCM). The Supply Chain Management discipline teaches students about the identification, acquisition, access, positioning, management of resources and related capabilities a company needs or potentially needs in the attainment of its strategic objectives.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	History Elective* (Options: Courses in code HIST)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
	Physical Education Elective (options: courses under subject code HHPL)	1
MGMT 001	Business Orientation	1

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
BCOM 320	Business Communications	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Literature Elective	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 311	Finance Principles	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
BLAW 305	Business Law I	3
BECN 330	Managerial Economics	3
	Science Elective	3

Senior Year First Semester

Item #	Title	Credits
	SCHM Elective	3
	SCHM Elective	3
	Non-Business Elective	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Senior Year Second Semester

Item #	Title	Credits
	SCHM Elective	3
MGMT 351	Entrepreneurship	3
MGMT 390	Business Policy	3
	Non-Business Elective	3
	Total credits:	106

Computer Based Information Systems

Undergraduate Curriculum Guide for the Bachelor of Science Degree in Computer Information Systems

The Department of Information Systems in the Howard University School of Business supports the core Business Administration curriculum and offers a degree programs at the undergraduate level (Computer Information Systems). The Information System major integrates business and computing. Information Systems focuses primarily on the role that information and technology play in creating business solutions.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.S.

Freshman Year First Semester

Item #	Title	Credits
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
MGMT 001	Business Orientation	1
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
INFO 210	Introduction to Software Design	3
BCOM 320	Business Communications	3
	Political Science Elective (Options: Courses in code POLS)	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
INFO 330	Data Base Management	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
INFO 325	Introduction to Data and Network Communications	3
BLAW 305	Business Law I	3
FINA 311	Finance Principles	3
INFO 370	Systems Analysis and Design	3

Senior Year First Semester

Item #	Title	Credits
	Computer Information Systems Elective* (Options: Courses under code INFO)	3
	Computer Information Systems Elective* (Options: Courses under code INFO)	3
BECN 220		3
	Non-Business Elective	3

Senior Year Second Semester

Item #	Title	Credits
INFO 398	Information Systems Consulting	3
MGMT 351	Entrepreneurship	3
	Computer Information Systems Elective* (Options: Courses under code INFO)	3
MGMT 390	Business Policy	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
Total credits:		109

Accounting

Accounting (B.B.A.)

The Accounting Curriculum, which offers a Bachelor of Business Administration degree, is accredited by the AACSB International (Association for the Advancement of Collegiate Schools of Business). Howard's Accounting Program is the first to be accredited in Washington, DC and the metropolitan area and one of approximately 150 accredited accounting programs in the United States. The accreditation for the School of Business is highly regarded by both employers and potential students.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman English	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3

Freshman Year Second Semester

Item #	Title	Credits
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	History or Poli. Sci. Elective (Options: Courses in codes HIST or POLS)	3
	Foreign Language (Level 2+)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
INFO 204	Management Information Systems	3
	Physical Education Elective (options: courses under subject code HHPL)	1
MGMT 001	Business Orientation	1
	Science Elective	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
BCOM 320	Business Communications	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
ACCT 310	Intermediate Accounting I	3
ACCT 350	Accounting Information Systems	3
INFO 311	Quantitative Business Analysis	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
	Literature Elective	3

Junior Year Second Semester

Item #	Title	Credits
ACCT 311	Intermediate Accounting II	3
ACCT 320	Cost Accounting I	3
MKTG 301	Principles of Marketing	3
BLAW 305	Business Law I	3
FINA 311	Finance Principles	3

Senior Year First Semester

Item #	Title	Credits
ACCT 318	Tax Principles and Procedures	3
ACCT 340	Auditing I	3
MGMT 351	Entrepreneurship	3
BECN 330	Managerial Economics	3
INFO 335	Production and Operations Management	3

Senior Year Second Semester

Item #	Title	Credits
ACCT 330	Advanced Accounting	3
	Accounting Elective (options: 3 credit course in code ACCT, requires advisors approval)	3
	Accounting Elective (options: 3 credit course in code ACCT, requires advisors approval)	3
MGMT 390	Business Policy	3
	Total credits:	121

Undergraduate Curriculum Guide for B.B.A. Degree in Accounting

The Accounting Curriculum, which offers a Bachelor of Business Administration degree, is accredited by the AACSB International (Association for the Advancement of Collegiate Schools of Business). Howard's Accounting Program is the first to be accredited in Washington, DC and the metropolitan area and one of approximately 150 accredited accounting programs in the United States. The accreditation for the School of Business is highly regarded by both employers and potential students.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman English	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	History or Poli. Sci. Elective (Options: Courses in codes HIST or POLS)	3
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
INFO 204	Management Information Systems	3
	Physical Education Elective (options: courses under subject code HHPL)	1
MGMT 001	Business Orientation	1
	Science Elective	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
BCOM 320	Business Communications	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
ACCT 310	Intermediate Accounting I	3
ACCT 350	Accounting Information Systems	3
INFO 311	Quantitative Business Analysis	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
	Literature Elective	3

Junior Year Second Semester

Item #	Title	Credits
ACCT 311	Intermediate Accounting II	3
ACCT 320	Cost Accounting I	3
MKTG 301	Principles of Marketing	3
BLAW 305	Business Law I	3
FINA 311	Finance Principles	3

Senior Year First Semester

Item #	Title	Credits
ACCT 318	Tax Principles and Procedures	3
ACCT 340	Auditing I	3
MGMT 351	Entrepreneurship	3
BECN 330	Managerial Economics	3
INFO 335	Production and Operations Management	3

Senior Year Second Semester

Item #	Title	Credits
ACCT 330	Advanced Accounting	3
	Accounting Elective (options: 3 credit course in code ACCT, requires advisors approval)	3
	Accounting Elective (options: 3 credit course in code ACCT, requires advisors approval)	3
MGMT 390	Business Policy	3
	Total credits:	112

Management

Management (B.B.A.)

The management program is Built upon a basic foundation of general education and the business core, the undergraduate program clearly offers a broad-based professional education in management. We are in an era in which professional interests and larger social considerations tend to be in conflict at every turn, and professional education programs all over the country are competing with one another in their attempts to develop the ideal curriculum. A sound undergraduate business education must emphasize the broader facets of the general education requirements as well as the business core subjects. In our times of growing social awareness, meeting this challenge would appear to be essential. It is important, therefore, to emphasize that our program is designed to prepare our graduates to meet both professional and societal expectations.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	History or Political Sci. Elective (Options: Courses in codes HIST or POLS)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
MGMT 001	Business Orientation	1
	Literature Elective	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
BCOM 320	Business Communications	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 311	Finance Principles	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
MGMT 302	Advanced Organizational Behavior	3
BLAW 305	Business Law I	3
MGMT 303	Human Resources Management	3
	Non-Business Elective	3

Senior Year First Semester

Item #	Title	Credits
MGMT 331	Decision-Making	3
MGMT 351	Entrepreneurship	3
	MGMT 304 or MGMT 350	3
	Management Elective	3
BECN 330	Managerial Economics	3

Senior Year Second Semester

Item #	Title	Credits
MGMT 380	Seminar in Management	3
MGMT 390	Business Policy	3
	Management Elective	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	Non-Business Elective	3
	Total credits:	118

Undergraduate Curriculum Guide for the B.B.A. Degree in Management

The management program is Built upon a basic foundation of general education and the business core, the undergraduate program clearly offers a broad-based professional education in management. We are in an era in which professional interests and larger social considerations tend to be in conflict at every turn, and professional education programs all over the country are competing with one another in their attempts to develop the ideal curriculum. A sound undergraduate business education must emphasize the broader facets of the general education requirements as well as the business core subjects. In our times of growing social awareness, meeting this challenge would appear to be essential. It is important, therefore, to emphasize that our program is designed to prepare our graduates to meet both professional and societal expectations.

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Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	History or Political Sci. Elective (Options: Courses in codes HIST or POLS)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
MGMT 001	Business Orientation	1
	Literature Elective	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
INFO 204	Management Information Systems	3
BCOM 320	Business Communications	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 311	Finance Principles	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
MGMT 302	Advanced Organizational Behavior	3
BLAW 305	Business Law I	3
MGMT 303	Human Resources Management	3
	Non-Business Elective	3

Senior Year First Semester

Item #	Title	Credits
MGMT 331	Decision-Making	3
MGMT 351	Entrepreneurship	3
	MGMT 304 or MGMT 350	3
	Management Elective	3
BEEN 330	Managerial Economics	3

Senior Year Second Semester

Item #	Title	Credits
MGMT 380	Seminar in Management	3
MGMT 390	Business Policy	3
	Management Elective	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3
	Non-Business Elective	3
	Total credits:	118

Undergraduate Curriculum Guide for the B.B.A. Degree in Management -- Marketing

The Marketing Program, which offers a Bachelor of Business Administration degree, provides students with exposure to and depth of immersion in Marketing needed to understand how for-profit and non-profit organizations need to operate successfully and be productive and efficient in a market-oriented economy.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	History Elective* (Options: Courses in code HIST)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
INFO 204	Management Information Systems	3
	Physical Education Elective (options: courses under subject code HHPL)	1
MGMT 001	Business Orientation	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
BCOM 320	Business Communications	3
	Literature Elective	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 311	Finance Principles	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
MKTG 315	Marketing Research	3
MKTG 310	Consumer Behavior	3
BLAW 305	Business Law I	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Senior Year First Semester

Item #	Title	Credits
MKTG 320	Marketing Communications	3
	Marketing Elective	3
MGMT 351	Entrepreneurship	3
BECN 330	Managerial Economics	3
	Political Science Elective (Options: Courses in code POLS)	3

Senior Year Second Semester

Item #	Title	Credits
MKTG 361	Computer Applications in Marketing	3
MKTG 399	Marketing Planning and Strategy	3
	Marketing Elective	3
MGMT 390	Business Policy	3
	Non-Business Elective	3
	Total credits:	118

Marketing

Marketing (B.B.A.)

The Marketing Program, which offers a Bachelor of Business Administration degree, provides students with exposure to and depth of immersion in Marketing needed to understand how for-profit and non-profit organizations need to operate successfully and be productive and efficient in a market-oriented economy.

IMPORTANT: *A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

Type: B.B.A.

Type: B.B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 010	College Algebra II	4
INFO 010	Business Problem Solving	2
	History Elective* (Options: Courses in code HIST)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
MATH 026	Applied Calculus	4
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1
	Foreign Language (Level 2+)	3

Sophomore Year First Semester

Item #	Title	Credits
ACCT 201	Accounting Principles I	3
ECON 001	Principles of Economics I	3
INFO 204	Management Information Systems	3
	Physical Education Elective (options: courses under subject code HHPL)	1
MGMT 001	Business Orientation	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
ACCT 202	Accounting Principles II	3
ECON 002	Principles of Economics II	3
ECON 180	Statistics for Business and Economics	3
BCOM 320	Business Communications	3
	Literature Elective	3

Junior Year First Semester

Item #	Title	Credits
INFO 311	Quantitative Business Analysis	3
FINA 311	Finance Principles	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
MKTG 301	Principles of Marketing	3
	Science Elective	3

Junior Year Second Semester

Item #	Title	Credits
INFO 335	Production and Operations Management	3
MKTG 315	Marketing Research	3
MKTG 310	Consumer Behavior	3
BLAW 305	Business Law I	3
	Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)	3

Senior Year First Semester

Item #	Title	Credits
MKTG 320	Marketing Communications	3
	Marketing Elective	3
MGMT 351	Entrepreneurship	3
BECN 330	Managerial Economics	3
	Political Science Elective (Options: Courses in code POLS)	3

Senior Year Second Semester

Item #	Title	Credits
MKTG 361	Computer Applications in Marketing	3
MKTG 399	Marketing Planning and Strategy	3
	Marketing Elective	3
MGMT 390	Business Policy	3
	Non-Business Elective	3
	Total credits:	118

Cathy Hughes School of Communications Media, Journalism & Film

Media, Journalism and Film — Audio Sequence (B.A.)

The Department of Media, Journalism and Film (MJFC) prepares students for the media world of today and the future through core and cluster courses. The MJFC department draws from the fields of digital audio/radio, digital video/television, and film production, scriptwriting and reporting, and broadcast (i.e. radio and television), print, mobile and online news. The MJFC Department addresses current industry standards, technological trends of convergence and community needs, while meeting the university's historical mission.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
MATH 006	College Algebra I	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 130	Ethical Issues in Communication	3
MJFC 101	Introduction to Mass Communications	3
SLMC 101	Principles of Speech.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
MJFC 200	Introduction to Media Production	3
MJFC 310	Multicultural Media History	3
	Co-Curricular	1
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
MJFC 211	Announcing and Interviewing	3
MJFC 201	Multimedia Storytelling	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Humanities/Fine Arts	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MJFC 330	Multimedia Audio Production	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Co-Curricular	1
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MJFC 340	Scriptwriting	3
MJFC 331	Audio for TV & Film	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
MJFC 410	Audio Engineering	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
MJFC 457	Practicum-Internship: Audio	1
	Major Elective (Options: To be determined in consultation with advisor)	3
	MJFC 462/463	3
MJFC 335	Production	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Total credits:	123

Media, Journalism and Film — Journalism Sequence (B.A.)

The Department of Media, Journalism and Film (MJFC) prepares students for the media world of today and the future through core and cluster courses. The MJFC department draws from the fields of digital audio/radio, digital video/television, and film production, scriptwriting and reporting, and broadcast (i.e. radio and television), print, mobile and online news. The MJFC Department addresses current industry standards, technological trends of convergence and community needs, while meeting the university's historical mission.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
	Physical Education Elective (options: courses under subject code HHPL)	1
SCOM 120	Digital Media Literacy	3
HIST 010	United States History Since 1877	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SLMC 101	Principles of Speech.	3
MJFC 100	Fundamentals of Journalism	1
MJFC 101	Introduction to Mass Communications	3
SCOM 130	Ethical Issues in Communication	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
	ENGL Course Above 003	3
PHIL 051	Principles of Reasoning	3
MATH 006	College Algebra I	3
MJFC 200	Introduction to Media Production	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
MJFC 201	Multimedia Storytelling	3
POLS 001	Introduction to Political Science	3
MJFC 202	Visual Communication	3
MATH 009	Introduction to Statistics	4
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MJFC 311	Interactive Editing	3
MJFC 330	Multimedia Audio Production	3
MJFC 310	Multicultural Media History	3
MJFC 300	Co-Curricular Journalism	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MJFC 313	Public Affairs Reporting	3
MJFC 312	Digital Design	3
MJFC 456	Practicum-Internship: Journalism	1
ECON 001	Principles of Economics I	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	MJFC Elective	3
MJFC 316	Enterprise Reporting in Diverse Communities	3
	MJFC 300-302	1
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
MJFC 460	Undergraduate Thesis: Journalism I (Senior Capstone)	6
	MJFC 300-302 or SCOM 220	1
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Total credits:	120

Media, Journalism and Film — TV and Film Sequence (B.A.)

The Department of Media, Journalism and Film (MJFC) prepares students for careers in TV and film. The MJFC department draws from the fields of digital digital video/television, and film production, scriptwriting and reporting, and broadcast (i.e. radio and television), print, mobile and online news. The MJFC Department addresses current industry standards, technological trends of convergence and community needs, while meeting the university's historical mission. The Department unifies several intellectual and creative strands within the School that share the common concerns of communicating in effective ways at the local, regional, national and global levels.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 130	Ethical Issues in Communication	3
MJFC 101	Introduction to Mass Communications	3
SLMC 101	Principles of Speech.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
MJFC 200	Introduction to Media Production	3
MJFC 310	Multicultural Media History	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Humanities/Fine Arts	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
MJFC 220	Media Production II	3
MJFC 340	Scriptwriting	3
	Minor (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MJFC 331	Audio for TV & Film	3
MJFC 341	Non-Linear Video Editing	3
	MJFC 342 or MJFC 343	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
	MJFC 344 or MJFC 345	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	MJFC 464 or MJFC 466	2
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	MJFC 458 or MJFC 459	1
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	120

Undergraduate Curriculum Guide for B.A. in Media, Journalism and Film — Audio Sequence

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
MATH 006	College Algebra I	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 130	Ethical Issues in Communication	3
MJFC 101	Introduction to Mass Communications	3
SLMC 101	Principles of Speech.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
MJFC 200	Introduction to Media Production	3
MJFC 310	Multicultural Media History	3
	Co-Curricular	1
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
MJFC 211	Announcing and Interviewing	3
MJFC 201	Multimedia Storytelling	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Humanities/Fine Arts	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MJFC 330	Multimedia Audio Production	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Co-Curricular	1
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MJFC 340	Scriptwriting	3
MJFC 331	Audio for TV & Film	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	Major Elective (Options: To be determined in consultation with advisor)	3
MJFC 410	Audio Engineering	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
MJFC 457	Practicum-Internship: Audio	1
	Major Elective (Options: To be determined in consultation with advisor)	3
	MJFC 462/463	3
	Prod	3-6
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Total credits:	123-126

Undergraduate Curriculum Guide for B.A. in Media, Journalism and Film — Journalism Sequence

The Department of Media, Journalism and Film (MJFC) prepares students for the media world of today and the future through core and cluster courses. The MJFC department draws from the fields of digital audio/radio,

digital video/television, and film production, scriptwriting and reporting, and broadcast (i.e. radio and television), print, mobile and online news. The MJFC Department addresses current industry standards, technological trends of convergence and community needs, while meeting the university's historical mission.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
	Physical Education Elective (options: courses under subject code HHPL)	1
SCOM 120	Digital Media Literacy	3
	U.S. History	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SLMC 101	Principles of Speech.	3
MJFC 100	Fundamentals of Journalism	1
MJFC 101	Introduction to Mass Communications	3
SCOM 130	Ethical Issues in Communication	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year First Semester

Item #	Title	Credits
	ENGL Course Above 003	3
PHIL 051	Principles of Reasoning	3
MATH 006	College Algebra I	3
MJFC 200	Introduction to Media Production	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year Second Semester

Item #	Title	Credits
MJFC 201	Multimedia Storytelling	3
POLS 001	Introduction to Political Science	3
MJFC 202	Visual Communication	3
MATH 009	Introduction to Statistics	4
	Foreign Language * (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MJFC 311	Interactive Editing	3
MJFC 330	Multimedia Audio Production	3
MJFC 310	Multicultural Media History	3
MJFC 300	Co-Curricular Journalism	1
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
MJFC 313	Public Affairs Reporting	3
MJFC 312	Digital Design	3
MJFC 456	Practicum-Internship: Journalism	1
ECON 001	Principles of Economics I	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	MJFC Elective	3
MJFC 316	Enterprise Reporting in Diverse Communities	3
	MJFC 300-302	1
	Minor Course (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	MJFC 460/461	6
	MJFC 300-302 or SCOM 220	1
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Total credits:	120

Undergraduate Curriculum Guide for B.A. in Media, Journalism and Film – TV and Film Sequence

The Department of Media, Journalism and Film (MJFC) prepares students for careers in TV and film. The MJFC department draws from the fields of digital digital video/television, and film production, scriptwriting and

reporting, and broadcast (i.e. radio and television), print, mobile and online news. The MJFC Department addresses current industry standards, technological trends of convergence and community needs, while meeting the university's historical mission. The Department unifies several intellectual and creative strands within the School that share the common concerns of communicating in effective ways at the local, regional, national and global levels.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 130	Ethical Issues in Communication	3
MJFC 101	Introduction to Mass Communications	3
SLMC 101	Principles of Speech.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
MJFC 200	Introduction to Media Production	3
MJFC 310	Multicultural Media History	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Humanities/Fine Arts	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
MJFC 220	Media Production II	3
MJFC 340	Scriptwriting	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Junior Year First Semester

Item #	Title	Credits
MJFC 331	Audio for TV & Film	3
MJFC 341	Non-Linear Video Editing	3
	MJFC 342 or MJFC 343	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3

Junior Year Second Semester

Item #	Title	Credits
	MJFC 344 or MJFC 345	3
	Major Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Minor Course (Options: To be determined in consultation with advisor)	3
	Minor Course (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
	MJFC 464 or MJFC 466	2
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
	MJFC 458 or MJFC 459	1
	Major Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Total credits:	117

Strategic, Legal & Management Communication

Strategic, Legal and Management - Communication Advertising Sequence (B.A.)

The Department of Strategic, Legal and Management Communication aims to prepare students for careers in advertising that focuses on developing persuasive messages designed to sell products, services, or ideas. Students will be equipped with persuasive and informative methodologies to enhance the creation and development of messages in a variety of communication contexts including digital media.

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated. Electives and minor courses may be taken as available.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Mathematics Elective (Options: Courses under code MATH)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SLMC 101	Principles of Speech.	3
SCOM 130	Ethical Issues in Communication	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
	SLMC 202 or MJFC 101	3
	English Elective (above 003)	3
PHIL 055	Introduction to Philosophy	3
ECON 001	Principles of Economics I	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
SLMC 210	Intro to Strategic Communication	3
SLMC 203	Principles of Persuasion.	3
ECON 002	Principles of Economics II	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Sociology Elective	3

Junior Year First Semester

Item #	Title	Credits
SLMC 301	Intercultural/International Communication	3
SLMC 321	Advertising Sales	3
SLMC 322	Advertising Copywriting & Design	3
	PSYC 050 or SOCI 020	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SLMC 351	Advanced Public Speaking.	3
SLMC 323	Advertising Research and Marketing	3
SLMC 324	Media Planning and Buying	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
SLMC 402	Practicum - Internship: Advertising (AD)	1
SLMC 410	Social Media & Integrated Marketing.	3
SLMC 491	CapComm Lab	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Senior Year Second Semester

Item #	Title	Credits
SCOM 220	Comm. Entrepreneurship (CERCC)	1
	SLMC Elective	3
MGMT 301	Management and Organizational Behavior (formerly Principles of Management)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
Total credits:		122

Strategic, Legal and Management Communication - Legal Communication Sequence (B.A.)

The Strategic, Legal and Management Communication (SLMC) Department prepares students for careers and advanced study in communication used for strategic purposes such as public relations and special event planning, advertising and sales, non-profit and for-profit management, law and policy, organizational training and development, corporate communications, government relations, entrepreneurship, human resources, marketing communications and media management. The Legal Communication sequence option focuses on Legal and related issues in the field of communication such as constitutional privilege, statutory law and protected speech.

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.

*Electives and minor courses may be taken as available.

**SLMC 490 is a pre-requisite for SLMC 493 and cannot be taken simultaneously.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Mathematics Elective (Options: Courses under code MATH)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SLMC 101	Principles of Speech.	3
SCOM 130	Ethical Issues in Communication	3
	PHIL 051 or PHIL 055	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year First Semester

Item #	Title	Credits
SLMC 202	Intro to Communication Theory.	3
SLMC 203	Principles of Persuasion.	3
POLS 010	The National Government of the United States	3
COMP 004	Computers and Society	3
ENGL 010	Technical Writing for Pre-Law Students	3

Sophomore Year Second Semester

Item #	Title	Credits
SLMC 250	Intro to Leadership and Management Communication.	3
SLMC 231	Mock Trial.	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Health Ed. Elective	1

Junior Year First Semester

Item #	Title	Credits
SLMC 301	Intercultural/International Communication	3
SLMC 331	Communications Law.	3
POLS 163	Constitutional Law I (Theory)	3
	U.S. History Elective	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SLMC 332	Intro to Legal Research	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Law Elective	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
SLMC 490	Communication Research Methods.	3
SLMC 403	Practicum-Internship: Legal Communication (LC).	1
SLMC 351	Advanced Public Speaking.	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
SLMC 431	Conflict Management and Negotiation.	3
	Communications Elective* (Options: Courses in code HUCO - 101,108, 202, 203, 204, 213, 242, 307)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	121

Strategic, Legal and Management Communication — Media Management Sequence (B.A.)

The Department of Strategic, Legal and Management Communication aims to prepare students for careers and advanced study in communication used for strategic purposes such as public relations and special event planning, advertising and sales, non-profit and for-profit management, law and policy, organizational training and development, corporate communications, government relations, entrepreneurship, human resources, marketing communications, and media management. SLMC majors will develop strong critical reasoning, writing and case development, verbal and nonverbal communication, problem solving, research design and implementation. **Students will be equipped with persuasive and informative methodologies to enhance the creation and development of messages in a variety of communication contexts including digital media.**

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.

*Electives and minor courses may be taken as available.

**SLMC 490 is a pre-requisite for SLMC 493 and cannot be taken simultaneously.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Lang/Humanities Elect.	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SLMC 101	Principles of Speech.	3
SCOM 130	Ethical Issues in Communication	3
	Physical Education Elective (options: courses under subject code HHPL)	1
PHIL 051	Principles of Reasoning	3
	Foreign Lang/Humanities Elect.	3

Sophomore Year First Semester

Item #	Title	Credits
	SLMC 202 or MJFC 101	3
SLMC 203	Principles of Persuasion.	3
SLMC 250	Intro to Leadership and Management Communication.	3
ECON 001	Principles of Economics I	3
	Math Elective (Options: Courses under code MATH)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
SLMC 210	Intro to Strategic Communication	3
SLMC 241	Communication Policy.	3
ECON 002	Principles of Economics II	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
SLMC 341	Race, Gender, and Media.	3
SLMC 321	Advertising Sales	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SLMC 343	Programming.	3
SLMC 301	Intercultural/International Communication	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
SLMC 490	Communication Research Methods.	3
SLMC 441	Broadcast Management.	3
	SLMC Elective	3
	Minor (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
SLMC 404	Practicum-Internship: Media Management (MM).	1
SLMC 325	SLMC Co-curricular	1
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Electives (Options: To be determined in consultation with advisor)	6
	Total credits:	120

Strategic, Legal and Management Communication Organizational Comm. - Management Sequence (B.A.)

The Management Sequence of the Strategic, Legal, & Management Communication degree program focuses on management and leadership issues in media enterprises. The program requires 120 credits to complete requirements for graduation.

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.

*Electives and minor courses may be taken as available.

**SLMC 490 is a pre-requisite for SLMC 493 and cannot be taken simultaneously.

Type: B.A.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
	Mathematics Elective (Options: Courses under code MATH)	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SLMC 101	Principles of Speech.	3
SCOM 130	Ethical Issues in Communication	3
	PHIL 051 or PHIL 055	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
SLMC 202	Intro to Communication Theory.	3
SLMC 203	Principles of Persuasion.	3
SLMC 250	Intro to Leadership and Management Communication.	3
ARTE 080	Computers in the Arts	3
ENGL 009	Technical Writing, Pre-Professional	3
	General Elective (Options: To be determined in consultation with advisor)	3

Sophomore Year Second Semester

Item #	Title	Credits
SLMC 210	Intro to Strategic Communication	3
SLMC 251	Interpersonal Communication.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	U.S. History Elective	3
	African-American Requirement (Options: see Elective Group Descriptions)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
SLMC 301	Intercultural/International Communication	3
SLMC 352	Intro to Organizational Communication.	3
SOCI 001	Introduction to Sociology	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SLMC 351	Advanced Public Speaking.	3
	SLMC Elective	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Soc. Sci. Elect. or MGMT 301	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
SLMC 405	Practicum-Internship: Organizational Communication Management (OCM).	1
SLMC 490	Communication Research Methods. SLMC 431 or SLMC 451	3
ARTE 081	Desktop Publishing	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
SCOM 220	Comm. Entrepreneurship (CERCC)	1
SLMC 325	SLMC Co-curricular	1
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	120

Undergraduate Curriculum Guide for Communications B.A. Degree in Strategic, Legal and Management Communication - Legal Communication Sequence

The Strategic, Legal and Management Communication (SLMC) Department prepares students for careers and advanced study in communication used for strategic purposes such as public relations and special event planning, advertising and sales, non-profit and for-profit management, law and policy, organizational training and development, corporate communications, government relations, entrepreneurship, human resources, marketing communications and media management. The Legal Communication sequence option focuses on Legal and related issues in the field of communication such as constitutional privilege, statutory law and protected speech.

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.

*Electives and minor courses may be taken as available.

**SLMC 490 is a pre-requisite for SLMC 493 and cannot be taken simultaneously.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Mathematics Elective (Options: Courses under code MATH)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SLMC 101	Principles of Speech.	3
SCOM 130	Ethical Issues in Communication	3
	PHIL 051 or PHIL 055	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
SLMC 202	Intro to Communication Theory.	3
SLMC 203	Principles of Persuasion.	3
POLI 010	National Government of the United States	3
COMP 004	Computers and Society	3
ENGL 010	Technical Writing for Pre-Law Students	3

Sophomore Year Second Semester

Item #	Title	Credits
SLMC 250	Intro to Leadership and Management Communication.	3
SLMC 231	Mock Trial.	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Health Ed. Elective	1

Junior Year First Semester

Item #	Title	Credits
SLMC 301	Intercultural/International Communication	3
SLMC 331	Communications Law.	3
POLI 163		3
	U.S. History Elective	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SLMC 332	Intro to Legal Research	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Law Elective	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year First Semester

Item #	Title	Credits
SLMC 490	Communication Research Methods.	3
SLMC 403	Practicum-Internship: Legal Communication (LC).	1
SLMC 351	Advanced Public Speaking.	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3

Senior Year Second Semester

Item #	Title	Credits
SLMC 431	Conflict Management and Negotiation.	3
	Communications Elective* (Options: Courses in code HUCO - 101,108, 202, 203, 204, 213, 242, 307)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
Total credits:		112

Undergraduate Curriculum Guide for Communications B.A. Degree in Strategic, Legal and Management Communication — Media Management Sequence

The Department of Strategic, Legal and Management Communication aims to prepare students for careers and advanced study in communication used for strategic purposes such as public relations and special event planning, advertising and sales, non-profit and for-profit management, law and policy, organizational training and development, corporate communications, government relations, entrepreneurship, human resources, marketing communications, and media management. SLMC majors will develop strong critical reasoning, writing and case development, verbal and nonverbal communication, problem solving, research design and implementation. Students will be equipped with persuasive and informative methodologies to enhance the creation and development of messages in a variety of communication contexts including digital media.

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.

*Electives and minor courses may be taken as available.

**SLMC 490 is a pre-requisite for SLMC 493 and cannot be taken simultaneously.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen (Options: see Elective Group Descriptions)	3
	Foreign Lang/Humanities Elect.	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SLMC 101	Principles of Speech.	3
SCOM 130	Ethical Issues in Communication	3
	Physical Education Elective (options: courses under subject code HHPL)	1
PHIL 051	Principles of Reasoning	3
	Foreign Lang/Humanities Elect.	3

Sophomore Year First Semester

Item #	Title	Credits
	SLMC 202 or MJFC 101	3
SLMC 203	Principles of Persuasion.	3
SLMC 250	Intro to Leadership and Management Communication.	3
ECON 001	Principles of Economics I	3
	Math Elective (Options: Courses under code MATH)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
SLMC 210	Intro to Strategic Communication	3
SLMC 241	Communication Policy.	3
ECON 002	Principles of Economics II	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
SLMC 341	Race, Gender, and Media.	3
SLMC 321	Advertising Sales	3
	General Elective (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SLMC 343	Programming.	3
SLMC 301	Intercultural/International Communication	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3
	General Elective (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
SLMC 490	Communication Research Methods.	3
SLMC 441	Broadcast Management.	3
	SLMC Elective	3
	Minor (Options: To be determined in consultation with advisor)	3
	Physical Education Elective (options: courses under subject code HHPL)	1

Senior Year Second Semester

Item #	Title	Credits
SLMC 404	Practicum-Internship: Media Management (MM).	1
SLMC 325	SLMC Co-curricular	1
	Minor (Options: To be determined in consultation with advisor)	3
	Minor (Options: To be determined in consultation with advisor)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	Total credits:	300

Undergraduate Curriculum Guide for Communications B.A. Degree in Strategic, Legal and Management Communication Advertising Sequence

The Department of Strategic, Legal and Management Communication aims to prepare students for careers in advertising that focuses on developing persuasive messages designed to sell products, services, or ideas. Students will be equipped with persuasive and informative methodologies to enhance the creation and development of messages in a variety of communication contexts including digital media.

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated. Electives and minor courses may be taken as available.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
	Divisional Studies B - Social Sciences Elective* open to Freshmen 3 (Options: see Elective Group Descriptions)	
	Foreign Language * (Options: see Elective Group Descriptions)	3
	Mathematics Elective (Options: Courses under code MATH)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SLMC 101	Principles of Speech.	3
SCOM 130	Ethical Issues in Communication	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1
	Divisional Studies B - Social Sciences Elective* open to Freshmen 3 (Options: see Elective Group Descriptions)	
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
	SLMC 202 or MJFC 101	3
	English Elective (above 003)	3
	Philosophy	3
ECON 001	Principles of Economics I	3
	Physical Education Elective (options: courses under subject code 1 HHPL)	1

Sophomore Year Second Semester

Item #	Title	Credits
SLMC 210	Intro to Strategic Communication	3
SLMC 203	Principles of Persuasion.	3
ECON 002	Principles of Economics II	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	General Elective (Options: To be determined in consultation with 3 advisor)	3
	Sociology Elective	3

Junior Year First Semester

Item #	Title	Credits
SLMC 301	Intercultural/International Communication	3
SLMC 321	Advertising Sales	3
SLMC 322	Advertising Copywriting & Design	3
	Psychology or Sociology	3
	Minor Requirement (Options: To be determined in consultation with 3 advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SLMC 351	Advanced Public Speaking.	3
SLMC 323	Advertising Research and Marketing	3
SLMC 324	Media Planning and Buying	3
	Minor Requirement (Options: To be determined in consultation with 3 advisor)	3
	Minor Requirement (Options: To be determined in consultation with 3 advisor)	3

Senior Year First Semester

Item #	Title	Credits
SLMC 402	Practicum - Internship: Advertising (AD)	1
SLMC 410	Social Media & Integrated Marketing.	3
SLMC 491	CapComm Lab	3
	Minor Requirement (Options: To be determined in consultation with 3 advisor)	3
	Afro-American Studies Elective * (Options: see Elective Group Descriptions)	3

Senior Year Second Semester

Item #	Title	Credits
SCOM 220	Comm. Entrepreneurship (CERCC)	1
	SLMC Elective	3
MNGT 301		3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
Total credits:		119

Undergraduate Curriculum Guide for Communications B.A. Degree in Strategic, Legal and Management Communication Organizational Comm. - Management Sequence

The Management Sequence of the Strategic, Legal, & Management Communication degree program focuses on management and leadership issues in media enterprises. The program requires 120 credits to complete requirements for graduation.

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.

*Electives and minor courses may be taken as available.

**SLMC 490 is a pre-requisite for SLMC 493 and cannot be taken simultaneously.

Type: B.A.

Freshman Year First Semester

Item #	Title	Credits
	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	Digital Media Literacy	3
	Mathematics Elective (Options: Courses under code MATH)	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Freshman Year Second Semester

Item #	Title	Credits
	Freshman Composition	3
SLMC 101	Principles of Speech.	3
SCOM 130	Ethical Issues in Communication	3
	PHIL 051 or PHIL 055	3
	Foreign Language * (Options: see Elective Group Descriptions)	3

Sophomore Year First Semester

Item #	Title	Credits
SLMC 202	Intro to Communication Theory.	3
SLMC 203	Principles of Persuasion.	3
SLMC 250	Intro to Leadership and Management Communication.	3
ARTE 080	Computers in the Arts	3
ENGL 009	Technical Writing, Pre-Professional	3

Sophomore Year Second Semester

Item #	Title	Credits
SLMC 210	Intro to Strategic Communication	3
SLMC 251	Interpersonal Communication.	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	U.S. History Elective	3
	African-American Requirement (Options: see Elective Group Descriptions)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Junior Year First Semester

Item #	Title	Credits
SLMC 301	Intercultural/International Communication	3
SLMC 352	Intro to Organizational Communication.	3
SOCI 001	Introduction to Sociology	3
	Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Junior Year Second Semester

Item #	Title	Credits
SLMC 351	Advanced Public Speaking.	3
	SLMC Elective	3
	Physical Education Elective (options: courses under subject code HHPL)	1
	Soc. Sci. Elect. or MGMT 301	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Senior Year First Semester

Item #	Title	Credits
SLMC 405	Practicum-Internship: Organizational Communication Management (OCM).	1
SLMC 490	Communication Research Methods.	3
	SLMC 431 or SLMC 451	3
ARTE 081	Desktop Publishing	3
	Minor Requirement (Options: To be determined in consultation with advisor)	3

Senior Year Second Semester

Item #	Title	Credits
SCOM 220	Comm. Entrepreneurship (CERCC)	1
SLMC 325	SLMC Co-curricular	1
	Minor Requirement (Options: To be determined in consultation with advisor)	3
	Divisional Studies C - Social Sciences Elective* open to Sophomores (Options: see Elective Group Descriptions)	3
	Total credits:	114

Elective Group Descriptions

Afro-American Studies Elective * (Options: see Elective Group Descriptions)

ENGL 054	African American Literature to 1940	3
ENGL 055	African-American Literature from 1940 to the Present	3
HIST 005	Introduction to the Black Diaspora I	3
HIST 006	Introduction to the Black Diaspora II	3
AFRO 005	Introduction to Africana Studies I	3
AFRO 006	Introduction to Africana Studies II	3
FASH 102	African American Dress	3
POLS 006	Pan-Africanism	3
AFST 101	Introduction to Contemporary Africa	3
MUTP 100	Blacks in the Arts	3

Art Elective* (Options: See Elective Group List)

ARTD 114	Illustration	3
ARTH 161	Art Appreciation	3
ARTH 162	Introduction to African Art History	3
ARTH 167	Topics in Art Criticism	3
ARTH 168	Internship in Art History	3
ARTH 170	Modern Art History I	3
ARTH 171	Modern Art History II	3
ARTH 172	West African Art	3
ARTH 173	African Art History III	3
ARTH 178	African-American Art I	3
ARTH 179	African-American Art II	3
ARTH 183	The Expressionist Image	3
ARTM 084	Art Process	3

Biology Elective (3crs) *

BIOL 190	290, 390, 490. Independent Investigations	3
BIOL 390	Independent Investigations	3

BIOL 204	Science and Public Policy	3
BIOL 240	Evolution	3
BIOL 315	Quantitative Biology	3
BIOL 329	Global Environment	3
BIOL 331	History and Philosophy of Science	3
BIOL 340	Bacterial Physiology	3
BIOL 348	Biogeochemistry	3
BIOL 390	Independent Investigations	3
BIOL 420	Cancer Biology	3
BIOL 421	Virology	3
BIOL 495/496	Honors Research	3
BIOL 801	Environmental Studies I	3
BIOL 802	Environmental Studies II	3

Biology Elective - 4crs * (Options: Courses under code BIOL)

BIOL 101	General Biology	4
BIOL 102	General Biology II	4
BIOL 200	Genetics	4
BIOL 205	Invertebrate Biology	4
BIOL 207	Biosphere	4
BIOL 208	Native Plants	4
BIOL 210	Field Biology	4
BIOL 220	General Microbiology	4
BIOL 230	Ecology	4
BIOL 251	Comparative Anatomy	4
BIOL 253	Plant Anatomy	4
BIOL 302	Organismal Biology	4
BIOL 310	Cell Biology	4
BIOL 320	Molecular Biology	4
BIOL 341	Animal Physiology	4
BIOL 344	Plant Physiology	4
BIOL 403	Research in Parastism	4
BIOL 404	Parasitology	4
BIOL 405	Social Insects	4
BIOL 407	Ichthyology,	4
BIOL 408	Herpetology	4
BIOL 409	Animal Behavior	4
BIOL 410	Plant Systematics	4
BIOL 413	Developmental Biology	4
BIOL 415	Molecular Genetics	4
BIOL 416	Advanced Cytology	4
BIOL 422	Immunology	4
BIOL 425	Pathogenic Bacteriology	4
BIOL 426	Food Microbiology	4

BIOL 430	Biostatistics	4
BIOL 432	Plant Populations and Communities	4
BIOL 441	Endocrinology	4
BIOL 444	Neurobiology/Neuroscience	4
BIOL 445	Biochemical Genetics	4
BIOL 446	Mycology	4
BIOL 448	Techniques in Biological Chemistry	4
BIOL 449	Population Genetics	4
BIOL 450	Molecular Genetics	4
BIOL 451	Ultrastructure	4
BIOL 452	Cell Signaling	4
BIOL 454	Principles of Plant Pathology	4
BIOL 455	Experimental Plant Morphogenesis	4
BIOL 457	Morphology of Lower Plants	4
BIOL 459	Morphology of Vascular Plants	4
BIOL 462	Biotechnology	4
MDMI 103	Microbiology w/Lab	4

Classics Elective (Options: see Elective Group List)

CLAS 016	Ideas in Antiquity	3
CLAS 079	General Literature Honors	3
CLAS 104	Ancient Mediterranean: Greece, 1200 - 200 BCE	3
CLAS 109	Classical Mythology	3
CLAS 111	Satire and Comedy	3
CLAS 112	Law and Politics in the Ancient World	3
CLAS 113	Women in the Ancient World	3
CLAS 114	Love in Antiquity	3
CLAS 001	Elementary Latin I	4

Communications Elective* (Options: Courses in code HUCO - 101,108, 202, 203, 204, 213, 242, 307)

HUCO 101	Principles of Speech	3
HUCO 108	Communications Law	3
HUCO 202	Communication Theory I	3
HUCO 203	Oral Interpretation	3
HUCO 204	Introduction to Debate	3
HUCO 213	Psychology of Persuasion	3

HUCO 242	Language Issues in Communication	3
HUCO 307	Inter/Intrapersonal Communication	3

Computer Information Systems Elective* (Options: Courses under code INFO)

INFO 101	Cooperative Program I	2
INFO 102	Cooperative Program II	2
INFO 202	Computer Introduction	1
INFO 204	Management Information Systems	3
INFO 210	Introduction to Software Design	3
INFO 300	Structured COBOL Programming I	3
INFO 302	Introduction to C Language Programming	3

Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions)

Divisional Studies A: Humanities

ARTH 161	Art Appreciation	3
CLAS 014	Introduction to Humanities I	3
CLAS 016	Ideas in Antiquity	3
CLAS 101	Greek Literature in Translation	3
CLAS 102	Roman Literature in English	3
CLAS 103	Classical Art	3
CLAS 108	Greek Drama in English	3
CLAS 109	Classical Mythology	3
CLAS 111	Satire and Comedy	3
CLAS 113	Women in the Ancient World	3
CLAS 114	Love in Antiquity	3
ENGL 014	Introduction to Humanities I	3
ENGL 015	Introduction to Humanities II	3
ENGL 054	African American Literature to 1940	3
ENGL 055	African-American Literature from 1940 to the Present	3
ENGL 056	Introduction to Caribbean Literature	3
FREN 100	Francophone Literature in English	3
FREN 107	Women in Literature	3

GERM 014	Introduction to Humanities I,	3
GERM 015	Introduction to Humanities II,	3
GERM 100	Individual and Society	3
GERM 101	Literature of Love	3
GERM 107	Women in Literature	3
GERM 109	Northern Myths and Legends	3
GERM 111	Classic Films in English	3
HUMA 107	Women in Literature	3
MUSC 100	Introduction to Music	3
RUSS 014	Introduction to Humanities I,	3
RUSS 100	Great Short Stories	3
RUSS 101	Literature of Revolution	3
RUSS 103	Love and Hate	3
RUSS 109	Slavic Mythology	3
SPAN 014	Introduction to Humanities I	3
SPAN 015	Introduction to Humanities II	3
SPAN 100	Hispanic Literature in English	3
SPAN 107	Women in Literature	3
THFD 010	Introduction to Theatre	3

Divisional Studies B - Social Sciences
Elective* open to Freshmen (Options: see
Elective Group Descriptions)

Divisional Studies B: Social Sciences (Open to Freshmen)

AFRO 005	Introduction to Africana Studies I	3
AFRO 006	Introduction to Africana Studies II	3
AFST 106	Social Media and the African World	3
CLAS 104	Ancient Mediterranean: Greece, 1200 - 200 BCE	3
CLAS 105	Roman Civilization	3
CLAS 112	Law and Politics in the Ancient World	3
CLAS 115	Slavery in the Ancient World	3
GERM 145	German Culture	3
GERM 146	German Culture	3
HIST 001	Introduction to the Study of Civilization I	3
HIST 005	Introduction to the Black Diaspora I	3
HIST 006	Introduction to the Black Diaspora II	3
HIST 101	World Geography	3

HIST 102	Economic Geography	3
RUSS 145	Russian Culture	3
RUSS 150	The Three Rs: Revolution, Rebellion, Resignation	3
SOCI 001	Introduction to Sociology	3

Divisional Studies C - Social Sciences
Elective* open to Sophomores (Options: see
Elective Group Descriptions)

Divisional Studies C: Social Sciences (Open to Sophomores)

AFRO 131	Black Philosophy, Religion and Ritual	3
AFRO 133	Nineteenth Century Black Social and Political Thought	3
AFRO 191	Comparative Slavery: An Introduction	3
AFST 101	Introduction to Contemporary Africa	3
ANTH 110	Introduction to Cultural Anthropology	3
ANTH 120	Introduction to Biological Anthropology	3
CLAS 110	Blacks in Antiquity	3
ECON 001	Principles of Economics I	3
ECON 002	Principles of Economics II	3
ECON 199	Introduction to Urban Economics	3
HIST 003	Introduction to History	3
HIST 009	United States History to 1877	3
HIST 010	United States History Since 1877	3
HIST 030	Introduction to African History I	3
HIST 031	Introduction to African History II	3
HIST 040	Introduction to the History of Latin American and Caribbean I	3
HIST 041	Introduction to the History of Latin America and Caribbean II	3
HIST 150	Europe to 1815	3
HIST 051	Introduction to European History II	3
POLS 003	Introduction to Comparative Politics	3
POLS 005	Introduction to African Politics	3

POLS 011	State and Local Government	3
POLS 143	Black Politics: Electoral and Nonelectoral	3

Divisional Studies D - Natural Sciences Elective* (Options: see Elective Group Descriptions)

Divisional Studies D: Natural Sciences

BIOL 101	General Biology	4
BIOL 102	General Biology II	4
CHEM 003	General Chemistry and Recitation	4
COMP 001	Life Sciences Lecture-Laboratory	3
COMP 002	Planetary Science Lecture-Laboratory	3
COMP 003	Physical Science Lecture-Laboratory	3
COMP 004	Computers and Society	3
MATH 006	College Algebra I	3
MATH 007	Precalculus	4
MATH 009	Introduction to Statistics	4
MATH 010	College Algebra II	4
MATH 012	Patterns in Mathematics	3
MATH 026	Applied Calculus	4
MATH 156	Calculus I	4
PHYS 001, 002	General Physics	8
PHYS 010, 011	General Astronomy I, II	3
PSYC 050	Introductory Psychology (Non-Majors/Non-Minors Only)	3

Foreign Language (African) (Options: Courses under codes AMHR, ARAB, SOMA, SWAH, WOLO, YORU, ZULU)

Foreign Language - Amharic*	3
Foreign Language - Arabic*	3
Foreign Language - Swahili*	3
Foreign Language - Somali*	
Foreign Language - Wolof*	3
Foreign Language - Zulu*	3
Foreign Language - Yoruba*	3

Foreign Language * (Options: see Elective Group Descriptions)

Foreign Language - Amharic*	3
Foreign Language - Arabic*	3
Foreign Language - Chinese*	3
Foreign Language - French*	3
Foreign Language - German	3
Foreign Language - Haitian Creole* (Options: Courses under code HACR)	3
Foreign Language - Spanish*	3
Foreign Language - Swahili*	3
Foreign Language - Wolof*	3

Foreign Language - Amharic*

AMHR 001	Amharic I	3
AMHR 002	Amharic II	3
AMHR 003	Amharic III	3
AMHR 190	Amharic Independent Study	3

Foreign Language - Arabic*

ARAB 001	Arabic I	3
ARAB 002	Arabic II	3
ARAB 003	Arabic III	3
ARAB 004	Arabic IV	3
ARAB 040	Intensive Grammar Review	3
ARAB 050	Oral Expression I	3
ARAB 051	Oral Expression II	3
ARAB 190	Independent Study I	3
ARAB 191	Independent Study II	3

Foreign Language - Chinese*

CHIN 001	Chinese I	3
CHIN 002	Chinese II	3
CHIN 003	Chinese III	3
CHIN 004	Chinese IV	3
CHIN 050	Oral Expression I	3
CHIN 191	Independent Study II	3

Foreign Language - French*

FREN 051	Oral Expression II	3
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FREN 052	Reading and Writing Workshop	3
FREN 055	Advanced Oral Expression	3
FREN 060	Textual Analysis	3
FREN 064	French for the News Media	3
FREN 065	Simultaneous Interpretation I,	3
FREN 065	Simultaneous Interpretation I,	3
FREN 066	Simultaneous Interpretation II	3
FREN 077	Advanced Grammar and Composition	3
FREN 078	Business French	3
FREN 082	Survey of French Literature and Civilization I	3

Foreign Language - German

GERM 001	German I	3
GERM 002	German II	3
GERM 003	German III	3
GERM 004	German IV	3
GERM 005	German for Music Students	3
GERM 010	Scientific German	3
GERM 011	Business German	3
GERM 012	Intensive German I	6
GERM 013	Intensive German II	6
GERM 014	Introduction to Humanities I,	3

Foreign Language - Haitian Creole* (Options: Courses under code HACR)

HACR 001	Haitian Creole I	3
HACR 002	Haitian Creole II	3
HACR 003	Haitian Creole III	3
HACR 004	Haitian Creole IV	3
HACR 190	Independent Study I	3
HACR 191	Independent Study II	3

Foreign Language - Somali*

SOMA 001	Somali I	3
SOMA 002	Somali II	3

Foreign Language - Spanish*

SPAN 002	Spanish II	3
SPAN 003	Spanish III	3
SPAN 004	Spanish IV	3

SPAN 014	Introduction to Humanities I	3
SPAN 015	Introduction to Humanities II	3
SPAN 040	Intensive Grammar Review	3
SPAN 050	Oral Expression I	3
SPAN 051	Oral Expression II	3
SPAN 052	Reading and Writing Workshop	3
SPAN 055	Advanced Oral Expression I	3

Foreign Language - Swahili*

SWAH 001	Swahili I	3
SWAH 002	Swahili II	3
SWAH 003	Swahili III	3
SWAH 004	Swahili IV	3
SWAH 040	Swahili Intensive Grammar Review	3
SWAH 050	Swahili Oral Expression I	3
SWAH 052	Swahili Reading and Writing Workshop	3
SWAH 190	Swahili Independent Study I	3
SWAH 191	Swahili Independent Study II	3

Foreign Language - Wolof*

WOLO 001	Wolof I	3
WOLO 002	Wolof II	3
WOLO 003	Wolof III	3
WOLO 004	Wolof IV	3
WOLO 190	Wolof Independent Study	3

Foreign Language - Yoruba*

YORU 1	Yoruba I	3
YORU 2	Yoruba II	3
YORU 3	Yoruba III	3
YORU 4	Yoruba IV	3

Foreign Language - Zulu*

ZULU 1	Zulu I	3
ZULU 2	Zulu II	3
ZULU 3	Zulu III	3

History Elective* (Options: Courses in code HIST)

HIST 031	Introduction to African History II	3
HIST 030	Introduction to African History I	3
HIST 081	Introduction to Historiography	3
HIST 082	Senior Colloquium	3
HIST 101	World Geography	3
HIST 102	Economic Geography	3
HIST 001	Introduction to the Study of Civilization I	3
HIST 002	Introduction to the Study of Civilization II	3
HIST 010	United States History Since 1877	3

Humanities Elective (Options: See Elective Group List Divisional Studies A - Humanities)

Divisional Studies A - Humanities Elective* (Options: see Elective Group Descriptions) 3

Mathematics Elective (Options: Courses under code MATH)

	MATH 006/007	3-4
MATH 009	Introduction to Statistics	4
MATH 010	College Algebra II	4
MATH 012	Patterns in Mathematics	3
MATH 020	Fundamental Concepts of Mathematics for Education I	3
MATH 026	Applied Calculus	4
MATH 084-085	Directed Readings in Honors for Sophomores	1
MATH 160	Advanced Calculus for Science and Engineering	3
MATH 161, 162	Seminar	1-3
MATH 164	Introduction to Numerical Analysis	3
MATH 165, 166	Directed Readings.	1-3
MATH 168	Actuarial Science Laboratory I	1
MATH 169	Actuarial Science Laboratory II	1
MATH 190	Probability and Statistics II	3

MATH 191	Foundations of Applied Mathematics	3
MATH 192	Topics in Applied Mathematics	3
MATH 193	Actuarial Science Seminar	3
MATH 196	Introduction to Analysis II	3
MATH 197	Introduction to Modern Algebra I	3
MATH 198	Introduction to Modern Algebra II	3

Philosophy Elective * (Options: Courses under Code PHIL 051, 053, 055, 057 and 059)

PHIL 051	Principles of Reasoning	3
PHIL 053	Introduction to Philosophy of Science	3
PHIL 055	Introduction to Philosophy	3
PHIL 057	Introduction to Ethics	3
PHIL 059	Knowledge and Value	3

Course Descriptions

Army

MILI

MILI 001: 002, 003, 004. MS 101L, 102L, 201L and 202L Leadership Laboratory

Open only to (and required of) students in the associate Military Science course. Series, with different roles for students at different levels in the program. Learn and practice basic skills. Gain insight into Advanced Course in order to make an informed decision whether to apply for it. Build self-confidence and a team-building leadership skills that can be applied through life. Physical is required in MS 101, MS 102 and 202. Series, with different roles for students at different levels in the program. Participate in a learn to lead a physical fitness program. Emphasis on the development of an individual fitness program and the role of exercise and fitness in one's life.

Credits: 1

MILI 005, 006, 007, 008. MS 301L, 302L, 401L: Advanced Course Leadership Laboratories

Open only to students in the associated Military Science course. Series, with different roles for students at different levels in the program. Involves leadership responsibilities for the planning, coordination, executing and evaluation of various training and activities with Basic Course students and for the ROTC program as whole. Students develop, practice and refine leadership skills by serving and being evaluated in a variety of responsible positions. Physical fitness is required of students in MS 301, 302, 401 and 402, of which this program is an integral part. Series, with different roles for students at different levels in the program. Participate in and learn to plan and lead physical fitness programs. Develops the physical fitness required of an officer in the Army. Emphasis on the development of an individual fitness program and the role of exercise and fitness in one's life.

Credits: 1

MILI 101: Introduction to ROTC (and to the University)

Make your first new peer group at college one committed to performing well and enjoying the experience. Increase self-confidence through team study and activities in basic drill, physical fitness, rappelling, leadership reaction course, first aid, making presentations and basic marksmanship. Learn fundamental concepts of leadership in a profession in both classroom and outdoor laboratory environments. One hour and a required leadership lab, MS101L, plus optional participation in a one hour session for physical fitness. Participation in a weekend exercise is optional, but highly encouraged (and fun!).

Credits: 1

MILI 102: MS 101 Introduction to Leadership

Learn/apply principles of effective leading. Reinforce self-confidence through participation in physically and mentally challenging exercises with upper division ROTC students. Develop communication skills to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader. One hour and a required leadership lab, MS102L, plus optional participation in a one hour session for physical fitness. Participation in a weekend exercise is optional, but highly encouraged.

Credits: 1

MILI 201: MS 102 Self/Team Development

Learn/apply ethics-based leadership skills that develop individual abilities and contribute to the building of effective teams of people. Develop skills in oral presentations, writing concisely, planning of events, coordination of group efforts, advanced first aid, land navigation and basic military tactics. Learn fundamentals of ROTC's Leadership Assessment Program. Two hours and a required leadership lab, MS201L, plus required participation in two one-hour sessions for physical fitness. Participation in a weekend exercise is optional, but highly encouraged.

Credits: 2

MILI 202: MS 202 Individual/Team Military Tactics

Introduction to individual and team aspects of military tactics in small unit operations. Includes use of radio communications making safety assessments, movement techniques, planning for team safety/security and methods of pre-execution checks. Practical exercises with upper division ROTC students. Learn techniques for training others as an aspect of continued leadership development. Two hours and a required leadership lab, MS202L, plus required participation in two one-hour sessions for physical fitness. Participation in exercise is optional, but highly encouraged.

Credits: 2

MILI 301: MS 301 Leading Small Organizations I

Series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Uses small unit defensive tactics and opportunities to plan and conduct training for lower division students both to develop such skills and as vehicles for practicing leading. Three hours and a required leadership lab, MS301L, plus required participation in three one-hour sessions for physical fitness. Participation in one weekend exercise is also required, and one or two more weekend exercises may be offered for optional participation.

Credits: 3

MILI 302: MS 302 Leading Small Organizations II

Continues methodology of MS 301. Analyze tasks; prepare written or oral guidance for team members to accomplish tasks. Delegate tasks and supervise. Plan for and adapt to the unexpected in organizations under stress. Examine and apply lessons from leadership case studies. Examine importance of ethical decision making in setting a positive climate that enhances team performance. Three hours and a required leadership lab, MS302L, plus required participation in three one-hour sessions for physical fitness. Participation in one weekend exercise is required; two other weekend exercises optional.

Credits: 3

MILI 401: Leadership Challenges and Goal-Setting

Plan, conduct and evaluate activities of the ROTC cadet organization. Articulate goals, put plans into action to attain them. Assess organizational cohesion and develop strategies to improve it. Develop confidence in skills to lead people and manage resources. Learn/apply various Army policies and programs in this effort. Three hours and a required leadership lab, MS401L, plus required participation in three one-hour sessions for physical fitness. Participation in one weekend exercise is also required, and one or two more weekend exercises may be offered for optional participation.

Credits: 3

MILI 402: MS 402 Transition to Lieutenant

Continues the methodology from MS 401. Identify and resolve ethical dilemmas. Refine counseling and motivating techniques. Examine aspects of tradition and law as it relates to leading as an officer in the Army. Prepare for a future as a successful Army lieutenant. Three hours and a required leadership lab, MS402L, plus required participation in three one-hour sessions for physical fitness. Participation in one weekend exercise is also required, and one or two more weekend exercises may be offered for optional participation.

Credits: 3

Aerospace

AERO

COURSE DESCRIPTIONS

AERO 001, 002, 003, 009: LLAB – Leadership Laboratory

(Pass/Fail) An integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. It is a student planned, organized and executed practicum. LLAB is a weekly laboratory that touches on the topics of Air Force customs and courtesies, health and physical fitness, field training preparation and drill and ceremonies. In addition to the weekly laboratory, students are required to participate in one hour physical training sessions two days per week.

Credits: 1

AERO 011: AS 100 - The Air Force Today I

Explores the mission and organizational structure of the United States Air Force. Introduces the student to Reserve Officer Training Corps by examining air power, customs and courtesies, officership, and core values. Examines Air Force opportunities, benefits, career choices, and installations which provides information needed to determine whether or not to pursue a career as an Air Force officer. An introduction to effective communication is included. Effective From: Spring 2006

Credits: 1

AERO 012: AS 100- The Air Force Today II

Prerequisite: None. A continuation of Air Force Today I. Continues with the mission and organizational structure of the Air Force. A macro view of U.S. military history is introduced with emphasis on U.S. air power. Air Force communications is developed with emphasis on interpersonal communications, oral communications, and written communications. Effective From: Spring 2006

Credits: 1

AERO 021: AS 200 – The Air Force Way I

Prerequisite: None. Examines the development of air power from its earliest beginnings to the present, including in-depth examination of World War I, World War II, and Korean Conflict. Effective From: Spring 2006

Credits: 1

AERO 022: AS 200 – The Air Force Way II

Prerequisite: None. A continuation of Air Force Way I focusing on the Vietnam War, Cold War, Gulf War, the Global War on Terrorism. Emphasizes the concepts and skills required by the Air Force officer including oral communications, Air Force quality, leadership, followership, ethics, and values. Effective From: Spring 2006

Credits: 1

AERO 131: AS 300 – Air Force Leadership Studies I

Prerequisite: None. Emphasizes the concepts and skills required by the successful management and leader. Curriculum includes individual motivational and behavioral processes, leadership, communication, and group dynamics, providing the foundation for developing the junior officer's professional skills. Course material stresses decision making, and the use of analytic aids in planning, organizing, and controlling in a changing environment. Develops communication skills through writing and speaking exercises. Effective From: Spring 2006

Credits: 3

AERO 132: AS 300 – Air Force Leadership Studies II

Prerequisite: None. A continuation of Air Force Leadership Studies II. Organizational and personal ethics, management of change, organizational power, politics, and managerial strategy are discussed within the context of the military. Actual Air Force case studies are used throughout the course. Effective From: Spring 2006

Credits: 3

AERO 141: AS 400 - National Security Affairs and Preparation for Active Duty I

Prerequisite: None. Focuses on the U.S. Armed Forces as an integral element of American society. This course examines a wide variety of topics concerning American civil and military relations and the environment in which U.S. defense policy is formulated. Specific topics include the role of the professional officer in a democratic society, socialization processes within the American military forces, and the requisites for maintaining adequate national security forces. A special emphasis is placed on further refining the student's communications skills in the context of the course material.

Credits: 3

AERO 142: AS 400 – National Security Affairs and Preparation for Active Duty II

Prerequisite: None. Continuation of National Security Affairs and Preparation for Active Duty I. Focuses on the role of the Air Force officer while on active duty. Includes responsibilities as an officer, commander, leader, and a manager. Topics include a review of military law, nonjudicial punishment, role of the staff judge advocate, laws of armed conflict, military ethics, officer professional development, an officer's social responsibilities, fraternization, personal finances, staff work, and Air Force base services and activities. Concludes with a review of the Air Force Core Values. Effective: Spring 2006

Credits: 3

African Studies

<http://www.coas.howard.edu/africanstudies/>

The Department of African Studies (DAS) provides an opportunity for Howard students to acquire an objective view of the present position of Africa in the modern (and changing) world, as well as an understanding of Africa's economic, social, and political problems. The department has adopted an interdisciplinary approach to the study of Africa at both the undergraduate and graduate levels. At the undergraduate level, the department educates students who wish to continue their studies in African affairs or are preparing to work in this field.

The DAS offers the only undergraduate major in African Studies in the United States. Students graduating from the department typically go on to undertake further study and professional careers in African and international affairs as well as obtain employment in fields such as teaching, law, social work, communications, business, non-governmental and governmental organizations.

The mission of the DAS at the undergraduate level is to provide an opportunity for Howard students to acquire, through interdisciplinary study, a comprehensive understanding of Africa's role and relations in the contemporary world. The department has specialists representing many disciplines who expose students to an integrated approach to studying a range of African political, historical, economic, social and cultural issues and to the critical skills for analyzing and addressing Africa's challenges.

The Department of African Studies encourages students to seek and take advantage of internship opportunities available in the Washington, DC metropolitan area and elsewhere nationally and internationally. The Director of Undergraduate Studies as well as the Chairperson and other faculty members of the department assist students in identifying and obtaining such internships that provide practical experiences in professional and community service settings.

Students doing internships register for AFST 183 or AFST 195: Internship in African Studies and prepare a research paper or work on other projects approved by the professor and/or the internship director. Only African Studies majors with senior standing can gain academic credit for internship.

AFST 101: Introduction to Contemporary Africa

A general introduction to contemporary Africa, its people, and their relations with people in other parts of the world. The course includes a survey of important political, economic and social issues shaping the African continent.

Credits: 3

AFST 102: Science, Technology, and African Development

A general survey course designed to examine Africans contributions to science and technology and contemporary needs in science and technology for development.

Credits: 3

AFST 103: Freedom Struggles: Southern Africa

An examination of the history, dynamics and contemporary relevance of liberation struggles and their aftermath in Southern Africa as a whole.

Credits: 3

AFST 104: Islam, Youth and Social Change in Africa

An examination of various models of social transformation as enacted primarily by Muslim youth throughout Africa and the Diaspora.

Credits: 3

AFST 105: African Languages and Cultures

A survey of African languages and their classification. Characteristics of the language families of Africa will be described and the relation of language to conceptual systems and logic will be analyzed. Prerequisite: AFST 001, or consent of the instructor.

Credits: 3

AFST 106: Social Media and the African World

A general introduction to the scope, basic concepts, and methods of African Studies and a survey of the history, major themes, and current trends of the field. Prerequisite: AFST 101 or equivalent.

Credits: 3

AFST 107: Social Media and the African World

An examination of the connections between the youth, education, revolutions in technology and transformations in politics and society at the individual, national and global levels.

Credits: 3

AFST 110: African Development and Underdevelopment

An interdisciplinary approach to the study of African development problems, based on an integration of economic, historical, socio-cultural, political and philosophical perspectives. Prereq. AFST 101

Credits: 3

AFST 111: African Systems of Thought

An introduction to the nature, and variety of African religious, political, social and cultural systems of thought, with emphasis on the connections among them, their impact on African definitions, problems, and their interactions with emerging formations such as African feminism. Prerequisite: AFST 101 or equivalent.

Credits: 3

AFST 121: Environment and Society in Africa

A general survey of Africa's conditions and their effects on societal efforts to overcome poverty. Prerequisite: AFST 101 or equivalent.

Credits: 3

AFST 123: Women in African Civilizations and Traditions

An exploration of the different dimensions of the historical and contemporary roles of women in African societies.

Credits: 3

AFST 124: Globalization in Africa

An examination of the nature and evolution of globalization in Africa, including studies of interdependencies, new regionalism, and climate change.

Credits: 3

AFST 125: China and Africa

A study of historical and contemporary relationships and ties between China and Africa.

Credits: 3

AFST 126: AIDS in Africa and the African Diaspora

An examination of AIDS in Africa and the African Diaspora, with a focus on the impact of race, gender, class and sexuality on the distributional spread of the disease and societal and global responses to the disease.

Credits: 3

AFST 131: African Cultural Formation and Identities

A comparative examination of emerging and changing patterns of culture and definitions of identity in urban Africa and in selected communities outside Africa. Prerequisite: AFST 101 or equivalent.

Credits: 3

AFST 133: Cont. & Regional Organizations

This course examines the origins, design, and effects of international organizations. International organizations covered in the course include the African Union, United Nations, World Trade Organization, International Monetary Fund, World Bank, and International Criminal Court. We will also examine regional organizations.

Credits: 3

AFST 156: Introduction to African Literature

A general introduction to the oral and written literatures of Africa, with emphasis on their formal and aesthetic properties and their sociopolitical and cultural significance for contemporary African societies. Prerequisite: AFST 101.

Credits: 3

AFST 157: Literature, Film and Society in Africa

An examination of the modes and dynamics of interaction between literature, oral and written, and film, and the social, political, and cultural significance of these media of creative and intellectual expression in contemporary African societies. Prerequisite: AFST 101; AFST 156.

Credits: 3

AFST 182: Seminar in Regional Studies

A research seminar on specific socioeconomic and political issues of a selected African region, designed to introduce students to the methodology of regional studies and to increase their familiarity with a given region of the continent. Prerequisite: AFST 101, or equivalent.

Credits: 3

AFST 183: Internship in African Studies

This course offers students an opportunity to apply their knowledge of Africa by serving one semester internships with public or private organizations conducting African related work. Prerequisite: AFST 101

Credits: 3

AFST 184: Directed Research

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

AFST 191: Senior Colloquium

A seminar on selected themes and topics in African Studies designed to highlight the interdisciplinary focus of the field and to prepare students for the senior comprehensive examination. Prerequisite: AFST 101, AFST 102, or senior status.

Credits: 3

AFST 195: Internship in African Studies

This course offers students the opportunity to apply their knowledge of Africa by serving one semester internships with public or private organizations conducting African related work. Prerequisite: AFST 101.

Credits: 3

Afro-American Studies

AFRO

COURSE DESCRIPTIONS

AFRO 005: Introduction to Africana Studies I

Introduction to the Afro-American Studies (African American, Africana, Black Studies) field and survey of factors which helped create the Afro-American experience in the Western Hemisphere. Satisfies university-wide African American cluster requirement and Divisional Studies a requirement for non-majors and non-minors.

Credits: 3

AFRO 006: Introduction to Africana Studies II

Systemic and structural exploration of issues involving the African American domestic (family), religious, educational and political institutions as they have been impacted by the larger society. Satisfies University-wide African American cluster requirement and Divisional Studies A requirement for non-majors and non-minors.

Credits: 3

AFRO 085: Sophomore Directed Readings - Honors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. Permission Required.

AFRO 089: Junior Directed Readings - Honors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. Permission Required.

Credits: 3

AFRO 093: Senior Directed Readings - Honors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. Permission Required.

Credits: 3

AFRO 101: Commerical Exploitation of the Third World

(Sophomore Standing or Above. Interdisciplinary Course)

Attention Given to the economics of colonial, neocolonial, imperialistic, and nationalistic social formations and movements in the "Third World." Examination of the political and economic forces that influenced the 19th and 20th-century experience of persons of color beyond the USA.

Credits: 3

Prerequisites:

Sophomore standing.

AFRO 103: Programs for Black Economic Development

Analysis of the economic empowerment strategies and philosophies of Afro-American leaders and organizations, from the early 19th century to the present.

Credits: 3

Prerequisites:

Sophomore standing.

AFRO 115: Seminar on Teaching Black Studies

Analyzes the background of evolution and organization of the emergent field of African American or Black Studies in the context of American higher education.

Credits: 3

Prerequisites:

Sophomore standing.

AFRO 121: Special Topics in Black Studies

This course is an in-depth study of selected issues in the African and African American experience. Emphasis is placed on the dominant and contemporary political, economic and socio-cultural dimensions of this experience.

Credits: 3

Prerequisites:

Sophomore standing.

AFRO 122: Education in Black America

This course is a critical review and analysis of the historical and contemporary educational philosophies expressed by educators who are directly or indirectly involved in the processes of Afro-American education.

Credits: 3

AFRO 131: Black Philosophy, Religion and Ritual

This course examines the ways blacks in Africa and the Americas conceptualize and explain their world through philosophy and religion. Various cultural and religious belief systems are examined, including traditional African religion and U.S. urban religions, voodoo, etc.

Credits: 3

Prerequisites:

Sophomore standing. (This course satisfies the Divisional Studies C requirement.)

AFRO 132: Politics of Black Autobiography

This course is an examination of black autobiography from William Wells Brown to Colin Powell with emphasis on the ideological purposes served by this literature. Attention is given to the political influence of each writer in developing black philosophical frameworks in specific historical eras.

Credits: 3

Prerequisites:

Junior standing.

AFRO 133: Nineteenth Century Black Social and Political Thought

This course examines the relationship between social and political thought, black institutions and ideologies within the context of the struggle against slavery, segregation, racial discrimination, and economic control between 1787 and 1895.

Credits: 3

Prerequisites:

Sophomore standing. (This course satisfies the Divisional Studies C requirement.)

AFRO 134: Twentieth Century Black Social and Political Thought

This course is an analysis of the social and political thought of black intellectual spokespersons as manifested in the critical stages of black reactions to problems of social justice from 1895 to the present.

Credits: 3

Prerequisites:

Sophomore standing.

AFRO 159: Senior Seminar

This course is for majors in Afro American Studies only. Key theories, approaches, and empirical studies in the Afro-American Studies discipline are reviewed in preparation for the departmental comprehensive examination. A research paper is required of all students. All departmental faculty participate in the course.

Credits: 3

AFRO 163: Black Experience in the Caribbean

This course is a detailed historical analysis of the African experience in the Caribbean Basin from the 16th century to the present. Political, sociological, economic and cultural issues in the Caribbean are explored.

Credits: 3

Prerequisites:

Junior standing.

AFRO 165: Black Women in America

Analysis of the historical involvement of black women in American institutions: education, religion, politics and social reconstruction. Charts linkages of black women in Africa and the Caribbean and North America.

Credits: 3

AFRO 170: Directed Research

This course is open to Afro-American Studies majors only. Individual research projects are conducted on the Afro-American experience, under the supervision of a departmental faculty member.

Credits: 3

Prerequisites:

Junior standing and advance faculty approval are required.

AFRO 175: Preparation for Practicum Writing Research

This course focuses on developing the student's skills in writing up research findings and reports under the supervision of a faculty member.

Credits: 3

AFRO 176: Practicum/Internship in Afro American Studies

Required of all majors, this component of the field work program affords students opportunities to merge theory with practical aspects of their chosen areas of concentration by interning for one semester with selected organizations outside of the University.

Credits: 6

Prerequisites:

AFRO 175 or AFRO 775, senior standing, majors only.

AFRO 191: Comparative Slavery: An Introduction

Survey of various systems of bondage in Europe proper, the Near East, Africa and the Americas. Emphasis is placed on the economic, social and cultural factors, which contributed to the rise and decline of slavery throughout the world.

Credits: 3

AFRO 192: The Harlem Renaissance

This course reviews the Harlem Renaissance Movement from 1910 to 1945, the first era in Afro-American literary and social history in which black writers emerged as distinct political voices in the arts.

Credits: 3

Prerequisites:

Sophomore standing.

AFRO 193: Literature and Politics of the Caribbean

This course is a sociological examination of the ideologies, themes and concerns expressed by Caribbean writers, with particular reference to the socio-political context in which their literature was produced.

Credits: 3

Prerequisites:

Sophomore standing.

AFRO 195: Comparative Black Literature I

This course is a survey of the creative literature of black writers in the U.S., the Caribbean, and Africa, with critical attention given to the social and cultural environments from which they emerged.

Credits: 3

Prerequisites:

Sophomore standing.

AFRO 196: Comparative Black Literature II

This course examines the relationship between the creative literature of black authors in the U.S., the Caribbean, and Africa and their socio-political life as reflected in drama, novels, poetry, essays.

Credits: 3

Prerequisites:

Sophomore standing.

AFRO 197: Black Thought in the Diaspora

This course is an examination of the cultural, historical, and political origins of Pan-Africanism and other black systems of thought. Topics for analysis include ideologies of early black political and social organizations.

Credits: 3

Prerequisites:

Junior standing.

AFRO 198: Contemporary Black Poetry

This is a survey of Black American poetry from the mid 1960s to the present. Attention is given to the folk and cultural basis of poetry with special emphasis on the place of poetry in the Black Arts Movement of the 1960s and early 1970s.

Credits: 3

Prerequisites:

Sophomore standing.

AFRO 199: Black Aesthetics

This course examines the artistic ideas and values found in Africa and traces their reappearance and transformation in the religions and philosophies of African-American cultural life. The aesthetics of the plastic, visual and performance arts are explored.

Credits: 3

Prerequisites:

Junior standing.

AFRO 775: Preparation for Practicum

This course examines research methods with emphasis on the steps required to design a scientific study including archival and survey data collection techniques, e.g., document analysis, participant observation, survey design and field interview techniques.

Credits: 3

Prerequisites:

Junior standing, majors only.

Art

As the visual arts component of the most comprehensive predominantly black university in the world, the Department of Art recognizes its unique responsibility to reflect, affirm and perpetuate the visual expression of the black experience. The department seeks to continuously create and maintain an atmosphere conducive to developing skilled and professionally mature artists, designers and art historians. Emphasis is placed upon instruction from a multicultural perspective and recognition of the dynamic reciprocity of art and life in the preparation of students for careers in the visual arts. The Howard University Art Department is an accredited institutional member of the National Association of Schools of Art and Design.

Undergraduate Admission Requirements

In addition to the University's admission requirements, applicants to the B.F.A. degree programs must submit a portfolio of artwork to the Department of Art. Program areas that traditionally required slides will now require digital images instead of slides. A portfolio of 12-15 digital images of original creative works (with no more than 2-3 views of any one work), must be prepared and presented on a CD Rom or flash drive (URL's are also acceptable if the work is presented online in quality form). Each image must be clearly labeled with the title of the work, materials or media of creation, size, and date of creation. These original creative works must be prepared according to the guidelines:

1. **Static Two-Dimensional imagery:** JPEG Format in a Powerpoint Presentations Slideshow (.ppt or .pps);
2. **Three-Dimension Pieces (i.e. sculpture, ceramics, fashion, 3D modeling):** JPEG Format including 2-3 views of the work;
3. **Motion graphics and video:** Use MP4 Format along with pixel dimensions;
4. **Size of digital images:** no less than 800 x 600 ppi
5. **Please include with each slide of your presentation:**
 - Title of the work
 - Materials or media used to create the work
 - Size of actual piece of work represented by the digital images. Size of work should be relative to the media with which it was created (for traditional media, use inches; for static digital media, use pixel dimensions; and for motion graphics and video use pixel dimensions and time in minutes and seconds)
 - Date of creation
6. Physical portfolios are still being accepted.

Mail portfolios to:

Department of Art
Division of Fine Arts
College of Arts and Sciences
Howard University
2455 Sixth Street, NW
Washington, DC 20059

Special Degree Requirements

Students seeking degrees offered by the Art Department must complete core courses in the Foundation Program upon which concentration courses are built. A student must complete 18 to 21 credits in the Department of Art, with the approval of a faculty advisor, in order to obtain a minor. In selecting electives, students may choose within the following guidelines:

- **University electives in humanities** – any courses in the humanities area (literature, drama, music, classics, English) for which the student can qualify;
- **Art electives**– any courses in the practice or history of art; fashion merchandising or interior design;
- **Studio electives**– any courses in the practice of art or design for which the student qualifies.

Art History

In addition to providing students with a broad understanding of world art, the Art History program focuses upon African American art and the art of the African Diaspora. In beginning and advanced courses and seminars, students are encouraged to engage in scholarly investigation and analysis of visual styles, cultural movements, and social evidence in the history of art, especially original scholarship in African American and African Art History. The program's strong research focus provides a virtual road map for students who wish to pursue careers as art historians in academia or in museums as curators and educators.

Ceramics

The Ceramics Program provides students with a technical foundation in basic hand and wheel formation, glaze calculation, clay formulation, and a range of finishing and firing techniques. Advanced students are encouraged to explore the full range of possibilities in clay. The ceramics unit is designed to train students to become the traditional production potter; the ceramic sculptor and the visionary artists who want to combine and experiment with state of the arts ceramic materials and technology to create their visual voice.

Design

The goal of the Howard University Design Program is to develop an immense range of knowledge, skills and competencies in the area of visual communication through cross-curricular experiences. This is achieved through the study of theory and the practical application of learned techniques. This program reacquaints the student artist with foundation principles that are central to design. Through an intensive curriculum in visual and technologically-mediated communication students will learn how to identify, research, analyze, and solve problems at various levels, providing multiple solutions, mechanicals and prototypes. Students will also develop the ability to produce the following visual forms as solutions to studio and related real life problems:

- two-dimensional

- three-dimensional
- printed
- digital
- motion
- interactive

Ideally, this program will cultivate competency in problem solving abilities, proficiency in conceptual skills and mastery of craftsmanship within each graduate.

Electronic Studio

The Electronic Studio program is designed for students preparing for careers as web designers, two- and three-dimensional animators, special effect artists for TV and Film, product design, and motion graphics. The curriculum combines the fundamentals of visual arts: drawing, painting, illustration, and two-dimensional and three-dimensional design. Photography and video, with intensive applied computer technology and software techniques as applied to visual communications and design. Course work is designed to incorporate prerequisite visual arts courses to prepare students to be competitive in the visual arts and computer-aided art and design fields.

Painting

The Painting program is designed to introduce students to traditional and contemporary painting techniques with an emphasis on the control of paint and the painted form. In the intermediate and advanced level courses, students are encouraged to experiment with various media and thematic approaches.

Photography

The Photography program provides students with skills, techniques, and principals of conventional darkroom practices, which form the framework for digital imaging in advance courses. Color photography, taught in combination with Photoshop, adds another dimension to creative control and expression along with multi-media applications. Advance courses in Studio Lighting, Alternative Processes, and Independent Study, are designed to allow the student to produce portfolios from collective experiences and photographic knowledge.

The photography program embraces modern technologies while enforcing the principles of light, color and image capture for print and the Web. We ground the student in the fundamentals of basic darkroom techniques with black and white film and chemistry in producing a finished print. Other courses challenge your approach to thematic concepts where you express ideas illustrated through the images you produce. Through digital applications you'll learn about basic color theory, characteristics and behaviors and how color impacts the image. The program rounds out with studio lighting, alternative processes and multimedia production giving the student necessary skill sets and collaborative working environments reflecting the current trends of the global market.

Printmaking and Sculpture

The Sculpture program provides students with a variety of sculpting experiences. The program offers courses in figure and character modeling, welded and forged steel fabrication, multi-media assemblage, wood and stone carving, woodworking, cement, and mold making and casting. B.F.A. candidates may specialize in one or a combination of areas depending on their personal direction and career path. Graduate and undergraduate students work side-by-side in a 5600 sq. ft. studio facility which houses three shop areas, graduate studios, an outside gated work area, and a 3D modeling computer lab.

ARTD 114: Illustration

The philosophies of twentieth and twenty-first century leaders in design provide a platform for the exploration of the merging of the aesthetics of graphic design with contemporary illustration practice. Projects are geared toward contemporary and innovative work able to address both traditional and emerging markets

Credits: 3

Art History

ARTH

ARTH 161: Art Appreciation

Introduction to the elements and dimensions of art and the philosophical, political, and psychological evolution of various cultures.

Credits: 3

ARTH 162: Introduction to African Art History

An overview of the history, aesthetics, process and function of the visual arts of Africa from the prehistoric period to traditional societies of today. Emphasis is placed on the interrelationship between the visual arts and religion, music, dance and other components of the African culture.

Credits: 3

ARTH 164: Survey of Visual Art

Study of the visual arts from prehistoric times to the end of the twelfth century. Fall semester only.

Credits: 3

ARTH 165: Introduction to Art History

Continuation of ARTH 164 from the thirteenth century to the present. Spring semester only.

Credits: 3

Prerequisites:

ARTH 164.

ARTH 167: Topics in Art Criticism

The nature of interpretation and evaluation in the visual arts, with emphasis placed upon artistic expression in the African Diaspora. May be repeated for up to 6 hours of credit.

Credits: 3

ARTH 168: Internship in Art History

On-site professional experience in a museum, gallery or cultural agency.

Credits: 3

ARTH 170: Modern Art History I

Examines nineteenth century European and American styles of painting, printmaking, sculpture and architecture.

Credits: 3

ARTH 171: Modern Art History II

Examines twentieth century European and American styles of painting, printmaking, sculpture and architecture.

Credits: 3

ARTH 172: West African Art

Study of the visual arts of African civilization. Focus is placed on the artistic achievements of such civilizations as Ghana, Mali, Songhai, Nok, Igbo Ukwu, Benin, and Owo, among others, and the art of more recent cultural groups.

Credits: 3

ARTH 173: African Art History III

An in-depth study of the history, aesthetics, processes and functions of the visual arts in ancient African civilizations in the Nile Valley and the Rift Valley. Focus will be placed on the artistic achievements of such civilizations as Egypt, Nubia, Aksum, Meore, Zimbabwe and of others since medieval times.

Credits: 3

ARTH 178: African-American Art I

Analyzes the elements and dimensions of art produced by persons of African descent in the United States from precolonial times to 1945. Fall semester only.

Credits: 3

ARTH 179: African-American Art II

Continuation of ARTH 178 from 1950 to the present. Spring semester only.

Credits: 3

ARTH 181: Research in Art History I

Treats research methodology and its application to the study of various cultures, and independent study with faculty supervision.

Credits: 3

ARTH 182: Research in Art History II

Continuation of ARTH 181.

Credits: 3

Prerequisites:

ARTH 181

ARTH 183: The Expressionist Image

A study of style and content from German Expressionism (1905 - 1920s) through and beyond.

Credits: 3

ARTH 188: Survey of African Art

This course is a survey of the indigenous arts of Africa. Sacred and secular art forms and how they reflect the native culture will be explored in this course.

Credits: 3

ARTH 189: Trends, Directions, Ideas in African American Art

This course seeks to introduce students to problems in art historiography and art criticism and to explore the issues of identity and culture through examination of the Harlem Renaissance and contemporary developments in African American Art.

Credits: 3

ARTH 196: Heritage: The Art of Romare Bearden

An examination of the work of Romare Bearden.

Credits: 3

Art Management

ARTM

ARTM 084: Art Process

An introduction to the study of art and basic art processes. The course is designed to help students to understand art and art-making through lectures, discussions, critiques and limited studio work. It is especially an asset to those students who seek guidance in preparing entry-level portfolios to pursue a major in art.

Credits: 3

ARTM 155: Independent Study in Art Management

Individual and independent self-directed study. Preliminary proposal submitted to the program coordinator for approval. The student presents a written report concerning a particular area of art management. Spring semester only

Credits: 3

Prerequisites:

Senior status.

ARTM 156: Art Management Internship

On-site entry-level work experience in visual arts organizations in the Washington Metropolitan area. Each student should meet with the program coordinator and make arrangements for placement. One or more members of the cooperating visual arts organization's management staff will supervise the intern. An intern job performance appraisal is provided by the intern site supervisor. Fall semester only.

Credits: 4

ARTM 157: Art Management Internship

A continuation of ARTM 156. Spring semester only.

Credits: 3-4

ARTM 158: Art Management Internship

A continuation of ARTM 157 but site not restricted to the Washington metropolitan area. Prior intern site approval required. Summer session only.

Credits: 3-4

ARTM 159: Fine Arts Valuation

Special problems in determining valuation of works of art. Investigation of techniques and modalities of marketing of art worldwide and its impact on national and international culture groups..

Credits: 3

ARTM 160: The Business of Art

Special problems. May be repeated for a total of 6 semester hours.

Credits: 3

Ceramics

ARTC

ARTC 121: Ceramics I

An introduction to clay through the use of hand building fabricating techniques. Historical, African and simple contemporary ceramics orientation, investigating clay bodies and glazes.

Credits: 3

ARTC 122: Ceramics II

An introduction to throwing. Fabrication of clay forms using the pottery wheel. A continuation of glaze calculation, hands-on firing techniques.

Credits: 3

ARTC 123: Ceramics III

Concentration on advanced wheel forms, production and glazes.

Credits: 3

ARTC 124: Ceramics IV

Expansion of firing experiences to accommodate individual student requirements to produce ceramic projects.

Credits: 3

ARTC 125: Ceramics V

An exploration of glaze materials by fired tests.

Credits: 3

ARTC 126: Ceramics VI

A continued, in-depth exploration of glazes and their effects through firing.

Credits: 3

ARTC 127: Ceramics VIII

Technical development of ceramics in sculptural structures for art in public places.

Credits: 3

ARTC 129: Ceramics IX

Independent study/ apprenticeship/internship study that exposes the student to varied processes of ceramic arts.

Credits: 3

ARTC 130: Ceramics X

Advanced Ceramic Workshop exposing students to advanced processes of ceramic arts.

Credits: 3

Prerequisites:

ARTC 129. Favorable evaluation required. Majors/minors only.

ARTC 131: Glaze Calculation and Formation

This class is offered to provide art students with the basic concepts of technical ceramics and familiarity with ceramic materials and basic body and glaze calculations and formation.

Credits: 3

ARTC 137: Ceramic Sculpture I

For students who have demonstrated a desire and capability to handle the medium in totally three-dimensional form.

Credits: 3

Prerequisites:

Consent of instructor.

ARTC 138: Ceramic Sculpture II

Clay handled three-dimensionally or in relief format.

Credits: 3

Design

ARTD

ARTD 103: History of Design I

A survey of the impact of technology on the visual qualities of graphic, advertising, fashion, architecture, and industrial design from the Victorian Arts and Crafts Movement to the computer age.

Credits: 3

ARTD 104: History of Design II

Continuation of ARTD 103. A survey of the impact of technology on the visual qualities of graphic, advertising, fashion, architecture, and industrial design from the Victorian Arts and Crafts Movement to the computer age.

Credits: 3

ARTD 105: Typography I

History, design, and execution of fundamental lettering and typeforms, with emphasis on structure; includes practices in type rendering and built-up letters.

Credits: 3

Prerequisites:

ARTD 104.

ARTD 106: Design for Advertising I

Treats the aesthetics and techniques of advertising layout, advanced problems in illustration, advertising art, magazine covers, and display.

Credits: 3

Prerequisites:

ARTD 105.

ARTD 107: Design for Advertising II

Involves studio design problems, with emphasis on the development of ideas and the ability to communicate them effectively.

Credits: 3

Prerequisites:

ARTD 106.

ARTD 108: Typography II

Deals with procedures in type specification and mechanical printing methods.

Credits: 3

Prerequisites:

ARTD 107.

ARTD 109: Reproduction and Techniques

Teaches techniques of preparing work for reproduction, with concentration on color separation for a four-color process.

Credits: 3

Prerequisites:

ARTD 108.

ARTD 110: Studio Problems in Design

Development of graphic and verbal articulation in package design and display, with study of agency practice and communication design.

Credits: 3

ARTD 111: Illustration

Analysis of principles of illustration, with emphasis on theories of commercial and fine art illustration.

Credits: 3

Prerequisites:

ARTR 004.

ARTD 112: Production and Portfolio Techniques I

Covers production and presentation of designer's work from drawing board to the printed page.

Credits: 3

Prerequisites:

ARTD 107.

ARTD 113: Production and Portfolio Techniques II

Continuation of ARTD 112.

Credits: 3

Prerequisites:

ARTD 112.

ARTD 115: Digital Design I

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, measurement activities; and digital imaging as well as communication, collaboration and decision-making activities; critical thinking; and problem solving.

Credits: 3

ARTD 118: Magazine and Newspaper Design I

The study of informational graphics and the role of computers in newspaper design.

Credits: 3

ARTD 119: Internships

The student may take an internship that relates to his or her goals as well as interest and skills.

Credits: 3-6

ARTD 120: Field Study

Off-campus and study abroad programs and projects.

Credits: 2

ARTD 122: Digital Design II

A continuation of ARTD 115. This course is designed to develop skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, measurement activities; and digital imaging as well as communication, collaboration and decision-making activities; critical thinking; and problem solving.

Credits: 3

ARTD 123: Magazine and Newspaper Design II

A continuation of ARTD 118. The study of informational graphics and the role of computers in newspaper design.

Credits: 3

FASD 100: Freshman Design Seminar

Introduction to Design Major. (For Freshmen).

Credits: 1

Drawing

ARTR

ARTR 003: Drawing III (Figure)

In-depth concentration on rendering the human form. Emphasis is on exercises to enhance expressive interpretation of the human form.

Credits: 3

ARTR 004: Drawing IV (Spatial Concepts)

Comparison of similarities and differences in use of space in drawing of various cultures. Spring semester only.

Credits: 3

Prerequisites:

ARTF 002.

ARTR 005: Drawing V (Elective)

Focus is on designing the human figure.

Credits: 3

Prerequisites:

ARTR 004.

ARTR 006: Drawing VI (Elective)

Experimentation with various materials and techniques.

Credits: 3

Prerequisites:

ARTR 005.

ARTR 007: Drawing VII (Independent Study)

Course examines level study of drawing, including compound subjects primarily in pencil, but also potentially in other media as well. This course expresses technical aspects of drawing through developed descriptive imagery.

Credits: 3

ARTR 008: Figure Drawing Workshop

In-depth concentration on rendering the human form. Continuation of ARTD 003, Drawing III (Figure).

Credits: 3

ARTR 009: The Investigative Eye

Recognizing drawing to be an activity partly physical and partly mental, this course is an intense studio experience that will utilize the "set-up" as a catalyst for investigating diverse aspects of form. An open attitude regarding materials and technique is encouraged. This is an advanced course and is recommended for those who wish to deepen their involvement with drawing.

Credits: 3

Prerequisites:

Drawing I-IV.

Electronic Studio Art

ARTE

ARTE 080: Computers in the Arts

Basic computer literacy course. Introduces students to the basic components of IBM and Apple Macintosh computers; hardware and software; DOS; data management BASIC programming; graphics, sound and word processing, etc.

Credits: 3

ARTE 081: Desktop Publishing

Foundation of computer graphics with an emphasis on Desktop Publishing programs. Students design graphics using software packages available for Mac IIs.

Credits: 3

ARTE 082: Presentation Graphics

The use of advance Draw and Paint programs to produce presentation graphics from IBM and Macintosh. Students use various programs to create business presentations, organizational communications, image manipulation, and in-depth interaction with the system. Outputs are slides and videotapes.

Credits: 3

ARTE 083: 2D Animation I

The hands-on studio course offers project oriented interaction with a multi-plane computer animation system. Students create step-by-step storyboard, image capture, image making, recording and editing.

Credits: 3

ARTE 084: Image Processing

Use advance image processing techniques to enhance the creation of computer graphics. Students will work on scanned-in images and do image editing and manipulations.

Credits: 3

ARTE 085: Digital Photography

Integrates photography and computer image process techniques to create a new art form

Credits: 3

Prerequisites:

Photography I and Image Processing.

ARTE 086: Multi-Media I

Use multi-media system to create text, images, sound, events and present on computer screen simultaneously.

Credits: 3

Prerequisites:

Image Processing.

ARTE 087: Multi-Media II

Advanced multi-media projects. Use of M motion card to create live images and use sound board to create sound effects and music to accompany the presentation.

Credits: 3

Prerequisites:

Multi-Media I.

ARTE 088: Workshop in Computer Graphics

Advanced electronic studio projects use software programs in-depth. Output can be of pre-press copy, videotape or in multi-media format.

Credits: 3

ARTE 091: Independent Study I

Students work on special projects under the direct supervision of faculty members. Finished computer projects must be of high quality.

Credits: 3

ARTE 092: Independent Study II

Students work on projects under direct supervision of faculty members. Projects should be creative, innovative, research-oriented. Finished work must be of high quality.

Credits: 3

ARTE 093: Internship

Students enrolled in this course will be given the opportunity to work in a field assignment in the area of their special interest and will be asked to meet professional standards set down by the organization to which they are assigned. Conferences will be held with the student during this period and the organization using the service will be asked to cooperate by reporting on the progress of the student. A written evaluation of performance is provided by the sponsoring agency or professional. At least six hours per week and a total of (84) hours are required to complete this internship.

Credits: 3-6

ARTE 094: 2D Animation II

This course provides students advanced skills to produce CG animation and the knowledge of the principles of animation to be built upon in subsequent courses leading up to the Portfolio course. Students can also apply skills learned in this class in other areas including stop motion and traditional animation.

Credits: 3

ARTE 095: 3D Modeling & Animation I

This course provides students advanced skills to produce CG animation and the knowledge of the principles of animation to be built upon in subsequent courses leading up to the Portfolio course. Students can also apply skills learned in this class in other areas including stop motion and traditional animation.

Credits: 3

ARTE 096: 3D Modeling & Animation II

A continuation of ARTE 095. This course provides students advanced skills to produce CG animation and the knowledge of the principles of animation to be built upon in subsequent courses leading up to the Portfolio course. Students can also apply skills learned in this class in other areas including stop motion and traditional animation.

Credits: 3

ARTE 097: Intro to Game Design

This course is an introduction to the theory and practice of the process of designing games and playful experiences. Students are familiarized with methods, concepts, techniques, and literature used in the design of games.

Credits: 3

ARTE 098: Intro to Game Design II

A continuation of ARTE 097. This course is an introduction to the theory and practice of the process of designing games and playful experiences. Students are familiarized with methods, concepts, techniques, and literature used in the design of games.

Credits: 3

ARTE 099: Digital Media & Multi-Media Applications II

This class investigates a variety of art making genres and technical applications that challenge form and content. Multi-media applications may range from mixed media assemblage and digital processes to alternative modes such as Collaboration, Performance Art or Installation Art

Credits: 3

ARTE 100: Independent Study III

Self-directed approach to the acquisition of knowledge and/or competence in which a student plans and carries out learning activities on his/her own, carried out under the guidance of an instructor. Student works independently.

Credits: 3

ARTE 101: Introduction to Graphic Systems Integration I

A study of the design process and art direction. Emphasis on form and content through the selection, creation, and integration of typographic, photographic, illustrative, and design elements.

Credits: 3

ARTE 102: Introduction to Graphic Systems Integration II

A continuation of ARTE 101. An advanced study of the design process and art direction. Emphasis on form and content through the selection, creation, and integration of typographic, photographic, illustrative, and design elements.

Credits: 3

Fashion

FASH

FASH 004: Introduction to the Fashion Industry

An introductory to the fashion industry; survey of careers in the fashion industry; discussion of fashion trends, production and their effects on design and merchandising. Fall semester.

Credits: 3

FASH 006: Visual Merchandising

An overview of visual merchandising, including a discussion of the principles and practices that guide the creation of window and promotional displays, store layout and design, and their impact on the fashion industry.

Credits: 3

FASH 009: Fashion Studio I

Analysis and development of skills in the art of clothing construction.

Credits: 3

FASH 102: African American Dress

An introduction to aesthetic and ecological perspectives on African American dress and adornment behavior from historic to contemporary.

Credits: 3

FASH 124: Textiles

Study of textiles from raw materials through manufacturing and finishing of fabrics as related to consumer selection, use and care.

Credits: 3

FASH 162: Fashion Studio II

Applies art principles to the design of clothing and studies techniques of flat-pattern drafting.

Credits: 3

Prerequisites:

FASH 009.

FASH 163: Fashion Illustration I

Basic fashion illustration.

Credits: 3

Prerequisites:

ARTF 001; ARTF 002.

FASH 164: Fashion Illustration II

Fashion illustration, croquis sketching and its relationship to design.

Credits: 3

Prerequisites:

FASH 163.

FASH 165: Directed Reading – Honors

A supervised opportunity for independent study through supervised readings, leading to the completion of an undergraduate research project. Prerequisite(s): Consent of instructor.

Credits: 3

FASH 166: Directed Readings I

A supervised opportunity for independent study through supervised readings, leading to the completion of an undergraduate research project. Prerequisite(s): Consent of instructor.

Credits: 1

FASH 167: Directed Readings II

A continuation of FASH 166 which allows for further supervised independent study through supervised readings, leading to the completion of an undergraduate research project. Prerequisite(s): Consent of instructor.

Credits: 1

FASH 168: Practicum in Fashion Retailing

Application and observation of business practices in an apparel retail environment in the Washington, D.C. area, without compensation.

Credits: 3

Prerequisites:

Completion of 40 credits from the four-year sequence in fashion including 5-7 courses in sequence #FASH and consent of instructor. Student must be in good standing and must have completed all necessary CAR courses. Fall and Spring semesters and summer.

FASH 169: Field Experience

Consists of field experience in a commercial or governmental agency involved with fashion.

Credits: 6

Prerequisites:

Senior status, consent of instructor. Fall and spring semesters and summer.

FASH 172: Fashion Studio III

Continuation of FASH 162, with emphasis on design by draping.

Credits: 3

Prerequisites:

FASH 162.

FASH 174: Fashion Industry II

An overview of fashion from the concept to the consumer.

Credits: 3

Prerequisites:

FASH 004.

FASH 175: Fashion Buying & Merchandising

A survey of fundamental activities, operations, and practices in retailing, including theory and quantitative analysis of inventory, planning, pricing, markdowns, and control for the profitable management of retail environments. Prerequisite(s): FASH 004 and MATH 006.

Credits: 3

FASH 176: Fashion in Context

A discussion of current topics of interest in the fashion industry. Prerequisite(s): FASH 004, FASH 186, or instructor consent.

Credits: 3

FASH 182: Textile Design

Examines the structural and decorative design of textiles. Laboratory includes such techniques as weaving, printing and knotting.

Credits: 3

Prerequisites:

FASH 124.

FASH 183: Fashion Studio IV: Autocad for the Apparel Industry

This course focuses on the application of computer-aided design to fashion illustration, drafting, patternmaking and fabric surface design.

Credits: 3

FASH 184: Historic Textiles

Study of oriental and occidental histories of textiles, including weaving, dyeing, and designing in historic time.

Credits: 3

Prerequisites:

FASH 124.

FASH 185: Traditional Folk Textiles and Dress

Study of traditional folk textiles and dress throughout the world. Emphasis on textiles and dress styles still in use.

Credits: 3

Prerequisites:

FASH 124.

FASH 186: Clothing in History

Presents the Oriental and occidental history of clothing and analyzes the significance to current problems.

Credits: 3

FASH 187: Clothing and Human Behavior

Study of the social, psychological, and anthropological aspects of clothing.

Credits: 3

Prerequisites:

one course in psychology or sociology.

FASH 188: Current Clothing Topics

Discusses current topics of concern in the fashion and textile field.

Credits: 3

Prerequisites:

FASH 004 and FASH 124.

FASH 190: Special Projects in Fashion I

Deals with special projects in design or merchandising that meet the needs and interests of the student.

Credits: 3

Prerequisites:

consent of instructor.

FASH 191: Special Projects in Fashion II

Continuation of FASH 190.

Credits: 3

FASH 192: Current Textile Topics

Discusses topics of concern in the textile field.

Credits: 3

Prerequisites:

FASH 124.

FASH 193: Fashion Marketing

Analysis of factors involved in fashion marketing, visual merchandising and promotions. Students will design and produce marketing plans, visual merchandising communications and fashion shows.

Credits: 3

Prerequisites:

FASH 004 and FASH 174.

FASH 194: Fashion Seminar

A discussion of current topics of interest in the fashion and clothing field. Prerequisite(s): Instructor consent.

Credits: 3

FASH 195: Fashion, Art, &Media Design

An in-depth look at the role of how the fashion and art influence the design of various forms of media.

Prerequisite(s): FASH 004, FASH 187, &FASH 193.

Credits: 3

FASH 196: Sustainability in the Fashion Industry

An introduction to the development of sustainable products and practices for fashion and interiors goods, their impact on consumers in the global marketplace, and the greening of the fashion and interiors industries.

Prerequisite(s): FASH 124. Required for majors.

Credits: 3

FASH 197: Fashion Entrepreneurship

An exploration in the conceptualization and development of a fashion-related business through the creation of a comprehensive business plan and participation in related entrepreneurial activities. Prerequisite(s): FASH 004, FASH 175, FASH 193, or instructor consent.

Credits: 3

FASH 198: Study Travel Tour

An opportunity to receive academic credit for Fashion Merchandising Program-sponsored, international and domestic travel/learning experiences and related pre- and post- activities. Destinations vary. Note: Cost of travel not included in tuition and fees. See Program Coordinator for additional information. Prerequisite: Instructor consent.

Credits: 3

Foundation Design

ARTF

ARTF 001: Drawing I

An introduction to visual hierarchy, composition, and pictorial space in drawing. Emphasis on linear perspective and the language of light and shadow using black and white media (graphite, charcoal and/or conte crayon). Development of skills and concepts in drawing based on historical models, lectures, demonstrations and critiques.

Credits: 3

ARTF 002: Drawing II

A continuation ARTF 001. An introduction to visual hierarchy, composition, and pictorial space in drawing. Emphasis on linear perspective and the language of light and shadow using black and white media (graphite, charcoal and/or conte crayon). Development of skills and concepts in drawing based on historical models, lectures, demonstrations and critiques

Credits: 3

ARTF 004: Drawing IV

Advanced drawing problems in 2-dimensional composition and pictorial organization

Credits: 3

ARTF 011: Painting I

This course introduces students to classical and contemporary painting, techniques and concepts, with emphasis on the understanding of its formal language and the fundamentals of artistic expression.

Credits: 3

ARTF 031: Printmaking I

Students will learn techniques of fine art printmaking, e.g. relief printing, monotype, intaglio, collagraph and collage. T

Credits: 3

ARTF 033: Drawing III

The human figure is the focus of this class. Working from the model, the class will consider the gesture and proportions of the figure. Students will be encouraged to conceive of the figure as a series of volumes in space. Basic anatomy will be introduced. The dynamic and expressive content of drawing will be encouraged. Media will be primarily pencil and charcoal.

Credits: 3

ARTF 087: Two-Dimensional Concepts I

Basic elements of two-dimensional design - dot, line, shape, value, texture, space and color are introduced, along with such principles as rhythm, repetition, contrast, variety, balance and harmony. They, along with form, are presented as visual building blocks of a vocabulary necessary to the process of making visual statements.

Credits: 3

ARTF 088: Two-Dimensional Concepts II

Continuation of Two-Dimensional Concepts I. Monochromatic, Chromatic Grays, Analogous, Complementary, Split Complementary, Dyadic and Triadic color schemes/systems/harmonies are introduced through various problems and exercises and presented as additional vocabulary necessary for making visual statements.

Credits: 3

ARTF 089: Three-Dimensional Concepts I

This is a course designed to introduce the student to three-dimensional problem solving techniques through the use of various materials. This course may be team taught.

Credits: 3

ARTF 090: Three-Dimensional Concepts II

A continuation of Three-Dimensional Concepts I. The course provides an in-depth study of problem solving techniques as they relate to resolved products. This course may be team taught.

Credits: 3

ARTF 114: Computer in the Arts

Designed for students who wish to integrate work in computing with work in several arts disciplines

Credits: 3

ARTF 121: Ceramics I

Ceramics I -X (ARTF 121-130) focus on introducing and building students skills in working with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on the hand building techniques; functional as well as sculptural applications, and introduction to traditional and historical ceramic art. Students will be exposed to the craft of wheel thrown pottery Various glaze and decoration techniques for finishing work will be introduced in the beginning classes.

Credits: 3

ARTF 122: Ceramics II

Ceramics I -X (ARTF 121-130) focuses on introducing and building students skills in working with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on the hand building techniques; functional as well as sculptural applications, and introduction to traditional and historical ceramic art. Students will be exposed to the craft of wheel thrown pottery Various glaze and decoration techniques for finishing work will be introduced in the beginning classes.

Credits: 3

ARTF 123: Ceramics III

Ceramics I -X (ARTF 121-130) focuses on introducing and building students skills in working with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on the hand building techniques; functional as well as sculptural applications, and introduction to traditional and historical ceramic art. Students will be exposed to the craft of wheel thrown pottery Various glaze and decoration techniques for finishing work will be introduced in the beginning classes.

Credits: 3

ARTF 124: Ceramics IV

Ceramics I -X (ARTF 121-130) focuses on introducing and building students skills in working with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on the hand building techniques; functional as well as sculptural applications, and introduction to traditional and historical ceramic art. Students will be exposed to the craft of wheel thrown pottery Various glaze and decoration techniques for finishing work will be introduced in the beginning classes.

Credits: 3

ARTF 125: Ceramics V

Ceramics I -X (ARTF 121-130) focuses on introducing and building students skills in working with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on the hand building techniques; functional as well as sculptural applications, and introduction to traditional and historical ceramic art. Students will be exposed to the craft of wheel thrown pottery Various glaze and decoration techniques for finishing work will be introduced in the beginning classes.

Credits: 3

ARTF 126: Ceramics VI

Ceramics I -X (ARTF 121-130) focuses on introducing and building students skills in working with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on the hand building techniques; functional as well as sculptural applications, and introduction to traditional and historical ceramic art. Students will be exposed to the craft of wheel thrown pottery Various glaze and decoration techniques for finishing work will be introduced in the beginning classes.

Credits: 3

ARTF 128: Ceramics VIII

Ceramics I -X (ARTF 121-130) focuses on introducing and building students skills in working with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on the hand building techniques; functional as well as sculptural applications, and introduction to traditional and historical ceramic art. Students will be exposed to the craft of wheel thrown pottery. Various glaze and decoration techniques for finishing work will be introduced in the beginning classes.

Credits: 3

ARTF 129: Ceramics IX

Ceramics I -X (ARTF 121-130) focuses on introducing and building students skills in working with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on the hand building techniques; functional as well as sculptural applications, and introduction to traditional and historical ceramic art. Students will be exposed to the craft of wheel thrown pottery. Various glaze and decoration techniques for finishing work will be introduced in the beginning classes.

Credits: 3

ARTF 130: Ceramics X

Ceramics I -X (ARTF 121-130) focuses on introducing and building students skills in working with clay. Emphasis will be placed on the design elements; line, shape, texture, and color. Focus will be on the hand building techniques; functional as well as sculptural applications, and introduction to traditional and historical ceramic art. Students will be exposed to the craft of wheel thrown pottery. Various glaze and decoration techniques for finishing work will be introduced in the beginning classes.

Credits: 3

ARTF 137: Ceramics Sculpture Workshop

Advanced problems in the various techniques of sculpture. Emphasis on individual creative expression.

Credits: 3

ARTF 138: Ceramics Sculpture

This course expands upon the principles and processes introduced in Beginning Sculpture, developing a higher level of technical competence and critical sophistication.

Credits: 3

ARTF 141: Sculpture I

Projects in sculpture with an emphasis on contemporary theory and issues, the development of individual concepts and the exploration of materials, tools, and processes.

Credits: 3

Interdisciplinary

ARID

ARID 100: Solar Car Design

Team taught, collaborative group project with Schools of Business, Communications and Engineering to design a solar-powered vehicle for the Sunrayce national competition. The project involves graphics and layout, artistic rendering, electronic imaging, uniform design, computer modeling and sculpting. Students will participate in all areas of development; concept, production, and the competitive race. Course is cross-linked with Engineering and Business.

Credits: 3

ARID 102: Capstone Senior Project I

Support the the conceptualization and development of a thesis or capstone project under the supervision of the faculty adviser.

Credits: 3

ARID 103: Senior Workshop/Capstone II

Continuation of ARID 102. Support the the conceptualization and development of a thesis or capstone project under the supervision of the faculty adviser.

Credits: 3

ARID 105: Digital Media and Multimedia Applications

An introduction to digital media fundamentals including audio, video formats, storage and delivery. Windows Media technology will be extensively utilized as a method for digital content manipulation, rights management and internet transfer.

Credits: 3

Interior Design

INTD

INTD 098: Environmental Factors of Interior Design

An introduction to the design, the environmental and the material implications of spaces for living. Fall semester.

Credits: 3

INTD 100: Fundamental Drafting of Interiors

Instruction in drafting techniques necessary for the professional communication of interior ideas and information. Fall semester.

Credits: 4

INTD 101: Advanced Drafting Techniques of Interiors

Instruction in advanced drafting skills necessary for the professional communication of ideas and information as related to interior design. Including one and two point perspectives.

Credits: 4

Prerequisites:

INTD 100. Spring semester.

INTD 102: Historic Interiors

Historical development of furniture, textiles and accessories, and their relationship to interiors, ancient to 1846. Fall semester.

Credits: 3

INTD 103: Contemporary Interiors and Furnishings

Development of furniture, textiles and accessories and their relationship to interiors, Victorian to present. Spring semester.

Credits: 3

INTD 104: Construction of Interior Spaces

A study of construction terminology, techniques, materials, etc. use in the construction of residential structures, as they relate to interior design.

Credits: 3

Prerequisites:

INTD 100 or consent of instructor.

INTD 105: Interior Model Building

Studio course in which the techniques of interior model building materials, methods, interior construction techniques, are used to construct a residential model focusing on the interior.

Credits: 3

Prerequisites:

INTD 104 or consent of instructor

INTD 106: CAD for Interiors I

Computer assisted design drafting for interior spaces.

Credits: 3

Prerequisites:

INTD 101 or consent of instructor.

INTD 108: Interior Graphics and Rendering

An introduction to contemporary media and methods of rendering perspectives. Emphasis on techniques and different methods of applying color such as water colors, acrylic, zipatone and magic markers.

Credits: 4

INTD 111: Residential Interior Design

Study of residential interior design and the functioning of the living environment. Sessions include viable solutions to limited living areas such as apartments, single rooms and townhomes.

Credits: 3

Prerequisites:

INTD 105.

INTD 112: Advanced Residential Interior Design

Study of residential interior design including the functioning of a barrier free interior living environment; kitchen and other working areas; renovations to existing residences and creative planning of large scale and awkward residential spaces is emphasized.

Credits: 3

Prerequisites:

INTD 111.

INTD 113: Office Interior Design

Studio course dealing with the interior design offices, such as law, medical, insurance, banks, accounting, etc.

Credits: 4

Prerequisites:

INTD 112.

INTD 114: Business Aspects of Interior Design

The course explores principles, procedures and practices including compensation and fees, contracts, business forms, budget management, retainers, designer-client and designer-trade relationships, as well as legal considerations.

Credits: 3

Prerequisites:

INTD 116.

INTD 115: Practicum in Interior Design

Application and observation of business practices in an interior design establishment in the Washington, D.C. area, without compensation.

Credits: 3

Prerequisites:

completion of 80 credits from the four-year sequence in interior design, completion of INTD 110, Presentation Techniques and INTD 202 Advanced Residential and consent of instructor. Fall and spring semesters and summer.

INTD 116: Lighting of Interior Spaces

Intensive analysis and planning of lighting and lighting systems for various types of interior spaces.

Credits: 3

INTD 117: Office Interior Design

Studio course dealing with the interior design offices, such as law, medical, insurance, banks, accounting, etc. Prerequisite: INTD 112.

Credits: 4

INTD 118: Commercial Interior Design I

Studio course dealing with various commercial interiors, such as hotels, educational facilities, restaurants, shops, and other specialized interiors.

Credits: 4

Prerequisites:

ARTD 113.

INTD 169: Interior Design Fieldwork

Consists of fieldwork in an interior design firm or other suitable related approved area.

Credits: 6

Prerequisites:

completion of 90 credits, good standing and consent of instructor. Fall and spring semesters and summer.

Painting

ARTA

ARTA 011: Painting I

Introduction to traditional and contemporary techniques, with emphasis on control of paint and painting form.

Credits: 3

Prerequisites:

ARTF 001.

ARTA 012: Painting II

Continuation of ARTF 011, with emphasis on various approaches to painting.

Credits: 3

Prerequisites:

ARTF 011.

ARTA 013: Painting III (Mixed Media)

Study of physical make-up of paints and use of tools. Exploration of various means to achieve aesthetic ends.

Credits: 3

ARTA 014: Watercolor Painting I

Use of all contemporary aqueous media, including experimental approaches from documentary to nonobjective.

Credits: 3

Prerequisites:

ARTF 001.

ARTA 015: Watercolor Painting II

Continuation of ARTA 014, with development of a personal approach and exploration of varied techniques.

Credits: 3

Prerequisites:

ARTA 014.

ARTA 016: Figure Painting I

Introduction to figure painting.

Credits: 3

Prerequisites:

ARTA 011.

ARTA 017: Figure Painting II

Intermediate Figure Painting.

Credits: 3

Prerequisites:

ARTA 016.

ARTA 018: Figure Painting III

Advanced Figure Painting.

Credits: 3

Prerequisites:

ARTA 017.

ARTA 019: Public Art I (Mural Painting)

Art in Public Places.

Credits: 3

Prerequisites:

ARTA 018.

ARTA 020: Public Art II (Mural Painting)

Advanced Art in Public Places.

Credits: 3

Prerequisites:

ARTA 019.

ARTA 023: Introduction to Painting Workshop

Directed study in Painting.

Credits: 3

Prerequisites:

ARTA 011.

ARTA 024: Advanced Painting Workshop

Directed study in Painting.

Credits: 3

Prerequisites:

ARTA 023.

ARTA 025: Intermediate Rhythm Techniques Workshop

Explanation, development, and practice of a rhythmic approach to the design and production of art based on the concepts of traditional African "Work Rhythms/Songs."

Credits: 3

ARTA 026: Studio Internship

Provides practical experience working with a professional artist in the student's area of interest or specialization.

Credits: 3

Photography

ARTP

ARTP 031: Printmaking I

Introduction to the medium of printmaking through traditional and contemporary methods and materials.

Credits: 3

ARTP 032: Silkscreen Printmaking

Presents the silkscreen process of printmaking, dealing with problems and original compositions, with emphasis on color printing. Fall semester only.

Credits: 3

ARTP 033: Relief Printmaking

Exploration of woodcuts, linoleum cuts, and contemporary relief printing techniques, with emphasis on color and color registration methods. Spring semester only.

Credits: 3

Prerequisites:

ARTP 031.

ARTP 034: Lithography

Introduction to photo-lithography and color printing with use of lithographic crayon, tusche, and autographic materials. Fall semester only.

Credits: 3

Prerequisites:

ARTP 031.

ARTP 035: Intaglio Printmaking

Projects in etching, engraving, aquatint, drypoint, soft ground, life ground, and mixed media, with a focus on color intaglio techniques. Spring semester only.

Credits: 3

Prerequisites:

ARTP 031.

ARTP 039: Printmaking Workshop I

Consists of advanced workshop and independent investigation, with scheduled group reviews and critiques.

Credits: 3

Prerequisites:

ARTP 031.

ARTP 040: Printmaking Workshop II

Continuation of ARTP 039.

Credits: 3

Prerequisites:

Permission of instructor.

ARTP 041: Social Graphics I

Survey of historical precedents in printmaking and its use as an educational medium. Use of appropriate printmaking methods and materials. Emphasis on contemporary issues, ideas, and ideals. Fall semester only.

Credits: 3

ARTP 042: Social Graphics II

A continuation of Social Graphics I.

Credits: 3

Prerequisites:

ARTP 041. Spring semester only.

ARTP 043: Independent Study in Printmaking I

Independent work in printmaking. Presentation of a comprehensive body of prints at the end of the semester. Periodic meeting with instructor for progress evaluation. Preliminary proposal required at the beginning of the course.

Credits: 3

Prerequisites:

senior standing. Fall semester.

ARTP 044: Independent Study in Printmaking II

Independent work in printmaking. Presentation of a cohesive body of prints at the end of the semester. Periodic meetings with the instructor for progress evaluation. Preliminary proposal required at the beginning of the semester.

Credits: 3

Prerequisites:

Senior standing. Spring semester only.

ARTP 050: Basic Black & White Photography

Introduction to the basic black and white photography methods, plus an overview of history of processes and aesthetics in photography.

Credits: 3

ARTP 051: Intermediate Photography

Prerequisite: ARTP 050, or 8 mounted photographs. This is a course in advanced black and white photography, with special attention given to the development of a personal exposure system, along with basic techniques in design concepts as they relate to photography.

Credits: 3

ARTP 052: Photography II. Basic Color

An introduction to color photography. The course is designed to give the student a basic knowledge of color photography through the use of negative/positive processes.

Credits: 3

Prerequisites:

ARTP 051, or 8 mounted photographs.

ARTP 055: Studio Photography

In this course the student will be introduced to studio lighting techniques as they pertain to still life set-ups.

Credits: 3

Prerequisites:

ARTP 053.

ARTP 056: Editorial Photography

In this course the student will learn techniques on how to develop a Photo Essay and how to illustrate commercial assignments using these techniques.

Credits: 3

Prerequisites:

ARTP 053.

ARTP 060: Photography Internship I

This course offers the student the opportunity to work in a professional environment.

Credits: 3

Prerequisites:

ARTP 054, or ARTP 055, or ARTP 056.

ARTP 061: Photography Internship II

This course offers the student the extended opportunity to work in a professional environment.

Credits: 3

Prerequisites:

ARTP 057.

Sculpture

ARTS

ARTS 141: Sculpture I: Modeling and Casting

Using structured studio projects, the student develops a formal vocabulary of expression through methodic idea development and forming techniques. This course guides the student through basic sculpture processes and practical aspects of the art as well as introduces a conceptual and construction language.

Credits: 3

ARTS 142: Sculpture II: Fabrication and Carving

A more expressive approach than with Sculpture I. This class introduces the student to the additive and subtractive sculpture making procedures emphasizing joining and shaping of forms. Visual information from the natural and artificial world is gathered. Elements of structure and pattern are also examined.

Credits: 3

ARTS 143: Figure Sculpture I

Students sculpt clay likenesses from live models through observation and modeling techniques. Careful and continuous study from life expands our understanding of structure and shape, clarifies our perception of what we see, and hones our ability to form what we intend. The human form also inspires psychological exploration of expression.

Credits: 3

ARTS 144: Figure Sculpture II

Continuation of Figure Sculpture I. This class develops the student's skills and individual style by encouraging fidelity to nature and personal interpretations of character.

Credits: 3

ARTS 145: Figure Sculpture III

Advanced figure study. The student is expected to cultivate a naturalistic style or personal sense of abstraction.

Credits: 3

ARTS 146: Figure Sculpture IV

Further advanced figure study. The student is expected to hone a developing style. In addition, the student may work as a teaching assistant to the instructor and is expected to accept certain studio responsibilities.

Credits: 3

ARTS 147: Wood Sculpture

This structured course introduces the student to manual techniques involved in wood carving and fabrication processes. The class also surveys forms of fine wood sculpture and other woodworking, identifying and seasoning wood, wood working tools, equipment and processes.

Credits: 3

ARTS 148: Stone Carving

This course introduces the student to stone carving techniques. Through certain carving exercises, students will design, rough out, and chase stone sculpture, as well as make their own tools.

Credits: 3

ARTS 149: Metal Sculpture I: Welding and Fabrication

This course introduces the student to welding, brazing, and soldering techniques, as well as fundamental metal construction processes necessary for armature building and direct sculpture.

Credits: 3

ARTS 150: Metal Sculpture II: Smithing and Forge Fabrication

Advanced construction processes for direct sculpture. The course introduces hot forming, hammered and fabricated metal sculpture techniques. Students will also learn to make their own tools.

Credits: 3

ARTS 151: Foundry I: Bronze Casting

Introduction workshop to the casting process. Substitution theory and gating systems, wax working, mold making, investment and ceramic shell molds, foundry safety and metal pouring.

Credits: 3

ARTS 153: Sculpture Workshop I

Advanced Study. Students will pursue personal investigations in one or more sculpture making processes. Shop economics and responsibilities are also developed in a collective atelier environment.

Credits: 3

ARTS 154: Sculpture Workshop II

Further sculpture workshop study.

Credits: 3

ARTS 155: Independent Studio I

Advanced study in personal sculpture direction.

Credits: 3

ARTS 156: Independent Studio II

Further advanced study in personal direction.

Credits: 3

ARTS 157: Internship

A career-oriented work experience related to the student's academic studies, professional and educational goals. The experience must be supervised by a qualified supervisor.

Credits: 3

Experimental Studio Art

ARTX

ARTX 161: Experimental Studio I

An experimental studio encouraging exploration of improvisational and unconventional combinations of media. Open to graduate and advanced undergraduate students.

Credits: 3

ARTX 162: Experimental Studio II

Problems in three dimensional mixed media. May be repeated for up to 9 hours of credit.

Credits: 3

ARTX 163: Experimental Studio III

Introduction to Environmental and Public Art. An introduction to designing scale models, maquette construction, safety, security, philosophical and social considerations in the execution of art works for public spaces. Open to graduate and advanced undergraduate students.

Credits: 3

ARTX 164: Experimental Studio IV

Introductory problems in cable, mast and membrane construction.

Credits: 3

ARTX 182: Experimental Studio Workshop I

Advanced experimental studio exploring improvisational and unconventional combinations of media.

Credits: 3

ARTX 183: Experimental Studio

Advanced problems in environmental and public art.

Credits: 3

ARTX 184: Experimental Studio Workshop II

Special problems in multi-media practices.

Credits: 3

ARTX 185: Experimental Studio Seminar

Advanced problems in cable, mast and membrane construction.

Credits: 3

Biology

BIOL

COURSE DESCRIPTIONS

BIOL 101: General Biology

An introductory sequence of two courses designed for all Biology majors that presents the unifying concepts of contemporary biology at all organizational levels through integrated lectures and laboratories. All basic life properties in prokaryotic and eukaryotic systems are studied.

Credits: 4

BIOL 102: General Biology II

An introductory sequence of two courses designed for all Biology majors that presents the unifying concepts of contemporary biology at all organizational levels through integrated lectures and laboratories. All basic life properties in both prokaryotic and eukaryotic systems are studied.

Credits: 4

BIOL 190: 290, 390, 490. Independent Investigations

Conception and development of an independent research project.

Credits: 3

BIOL 200: Genetics

Introduction to the study of the chemical composition and structure of the genetic material and its transmission and function in development and metabolism. Combines classical and molecular-biological approaches to the understanding of mechanisms of inheritance.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 202: Plant Diversity Lec/Lab

Introduction to diversity of plants.

Credits: 1

Prerequisites:

BIOL 101/102

BIOL 204: Science and Public Policy

This course explores ethical, historical, and political aspects of the utilization of scientific knowledge for the development of public policy.

Credits: 3

BIOL 205: Invertebrate Biology

Study of representative invertebrates, including the morphology, life history, and phylogenetic relationships.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 207: Biosphere

An examination of the evolutionary history of the dynamics of the biosphere (the upper few kilometers of the crust, atmosphere, oceans, and anthroposphere) with particular focus on the role of life in the regulation of chemical and physical conditions.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 208: Native Plants

Nontechnical field and laboratory course dealing with the collection, identification, preparation, and uses of native wild plants. BIOL 101/102.

Credits: 4

BIOL 210: Field Biology

Field course involving the collection, preservation, and identification of native and introduced Flora and Fauna.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 217: Honors Orientation

Pursuit of an independent literature research problem in one subdiscipline. For Honors students only

Credits: 1

Prerequisites:

Sophomore status and consent of instructor.

BIOL 218: Directed Readings

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. For Honors students only.

Credits: 1

Prerequisites:

Sophomore status and consent of instructor.

BIOL 220: General Microbiology

Introductory course involving study of the identification, culture, physiology, and genetics of bacteria

Credits: 4

Prerequisites:

BIOL 101/102

BIOL 230: Ecology

This lecture-laboratory course considers how the physical and biotic environments of animal and plant species influence patterns of distribution and abundance, with specific emphasis on features of natural communities.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 240: Evolution

Includes the study of Darwin's theory of evolution and its implications, evidence from various biological disciplines supporting Darwin's evolutionary theory, chemical evolution and organic evolution from the cell to modern man.

Credits: 3

Prerequisites:

BIOL 200.

BIOL 251: Comparative Anatomy

Lectures analyze the functional anatomy of vertebrates and the evolution and embryonic development of their structures and functions. Laboratories involve dissection of selected vertebrate organisms.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 253: Plant Anatomy

Lecture-laboratory course dealing with the study of the structure and development of the cells, tissues, and organs of vascular plants.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 302: Organismal Biology

A comprehensive study of form, physiology, and phylogeny in the major groups of living organisms. Emphasis on the commonality of mechanisms utilized for growth, reproduction, and adaptation to environmental change by different groups of organisms. MARC Honor Course.

Credits: 4

BIOL 310: Cell Biology

Examines the chemistry, structure, and function of cells and their components and the microscopic details of mammalian tissues and organs.

Credits: 4

Prerequisites:

BIOL 200

BIOL 315: Quantitative Biology

An introduction to quantitative methods of measuring biological processes, evaluating and interpreting experimental data, and monitoring biological phenomena. Marc Honors Course.

Credits: 3

BIOL 317/318: Directed Readings

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. For Honors students only.

Credits: 1

Prerequisites:

Junior status and consent of instructor.

BIOL 320: Molecular Biology

Discussion and experimentation covering the structure and function of prokaryotic and eukaryotic genomes and their gene products. Regulation of genetic expression is stressed. The theoretical basis and application of current research techniques used in basic and applied molecular biology and genetic engineering are covered.

Credits: 4

Prerequisites:

BIOL 200.

BIOL 328: Global Climate Change

Discussion and experimentation covering the structure and function of prokaryotic and eukaryotic genomes and their gene products. Regulation of genetic expression is stressed. The theoretical basis and application of current research techniques used in basic and applied molecular biology and genetic engineering are covered.

Prerequisites:

BIOL 230.

BIOL 329: Global Environment

This course is an introduction to global ecology. It considers the critical problems facing humanity with regard to environmental ecological damage, agriculture, climatic change and depletable mineral, water and energy resources. All spatial scales are discussed with emphasis on global/local/urban interrelations and their impact on human health and ecosystems. The global environmental/ecological crisis is discussed in the context of North/South relations.

Credits: 3

Prerequisites:

BIOL 101/102 or consent of the instructor.

BIOL 331: History and Philosophy of Science

A study of the major philosophical principles that have led to the development of the scientific method and the major discoveries of science.

Credits: 3

BIOL 340: Bacterial Physiology

Comprehensive study of biochemical mechanisms and physiological behavior in bacteria. Prerequisites BIOL 220, and CHEM. 142.

Credits: 3

BIOL 341: Animal Physiology

Lecture-laboratory course covering the muscles, nervous system, reproduction, and physiological regulation.

Credits: 4

Prerequisites:

BIOL101/102.

BIOL 344: Plant Physiology

Study of the physiologic processes and regulatory mechanisms associated with growth and development primarily in higher plants.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 348: Biogeochemistry

Survey of the distribution of the elements composing the earth with discussion of the reasons underlying these patterns, including examination of biological interactions.

Credits: 3

BIOL 390: Independent Investigations

Conception and development of an individual research project.

Credits: 3

Prerequisites:

Junior and consent of instructor.

BIOL 402: Insect Biology

This lecture/laboratory course includes taxonomy, morphology, physiology, behavior, and ecological and evolutionary relationships in the class Insecta.

Credits: 3

Prerequisites:

BIOL 101/102, and BIOL 200.

BIOL 403: Research in Parasitism

Considers the biology of metazoan parasites of man and animals and the host-parasite relationship.

Credits: 4

Prerequisites:

Consent of instructor.

BIOL 404: Parasitology

Considers the biology of protozoan and metazoan parasites of man and animals and the host-parasite relationship.

Credits: 4

Prerequisites:

consent of instructor.

BIOL 405: Social Insects

Deals with behavioral and systemic studies in social insects in their natural habitats.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 407: Ichthyology,

A study of fish biology, including taxonomy, morphology, population dynamics and distribution of fishes, and a critical review of current ichthyological research. The laboratory consists of field experience, along with dissection of representative forms.

Credits: 4

Prerequisites:

BIOL 101/102 or consent of instructor.

BIOL 408: Herpetology

This lecture-laboratory course concerns the study of amphibians and reptiles and focuses on the taxonomic, morphological, physiological, behavioral, ecological and evolutionary relationships among members of these vertebrates.

Credits: 4

Prerequisites:

BIOL 101/102 or consent of instructor.

BIOL 409: Animal Behavior

Environmental and quantitative approach to behavior illustrating basic principles, with emphasis on physiological bases, ecological correlates, and evolutionary aspects.

Credits: 4

Prerequisites:

BIOL 101/102 or consent of instructor, BIOL 310 or consent of instructor.

BIOL 410: Plant Systematics

Lecture-laboratory course involving the basic principles and concepts in the classification and nomenclature of vascular plants.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 413: Developmental Biology

Discusses gametogenesis, fertilization, cleavage, differentiation and mechanisms controlling these processes. Laboratory includes study of living invertebrate specimens.

Credits: 4

Prerequisites:

BIOL 310 or BIOL 320.

BIOL 415: Molecular Genetics

Lecture-laboratory course in which studies of plant and microbial genomes are conducted through nucleic acid analysis and applications of recombinant-DNA technology and environmental mutagenesis.

Credits: 4

Prerequisites:

BIOL 101/102, BIOL 200, CHEM. 156 or the equivalent; and advanced standing.

BIOL 416: Advanced Cytology

Analyzes ultrastructural cytology, with emphasis on current techniques in transmission and scanning electron microscopy and cytochemistry.

Credits: 4

Prerequisites:

BIOL 101/102, BIOL 200, BIOL 310.

BIOL 420: Cancer Biology

Examines normal vs. cancerous cell growth; examines genetic mechanisms, protein modifications and the multi-hit hypothesis that leads to cancer onset, as well as associated stages of disease and treatment/therapies.

Credits: 3

Prerequisites:

BIOL 310 OR 320; CHEM through Organic

BIOL 421: Virology

Study of the structure, biochemistry, and biologic relations of viruses.

Credits: 3

Prerequisites:

BIOL 220 or CHEM. 141.

BIOL 422: Immunology

Covers humoral and cellular immunity against infections and non-self agents; cellular interactions and differentiations events associated with the immune response; and applications of immunology to biomedicine.

Credits: 4

Prerequisites:

BIOL 310; Chemistry through organic

BIOL 424: Environmental Microbiology

An integrated approach to studying the role of microorganisms in environmental waste management. The microbiology of air, water, soil and sewers are addressed. Emphases are placed on the public health implications of microbes and their products in the environment, and the role of microbes in bioremediation of hazardous chemical wastes.

Prerequisites:

BIOL 220.

BIOL 425: Pathogenic Bacteriology

Lecture-laboratory course in which the pathways of etiological agents of disease, methods of identification and therapy, and control measures are considered.

Credits: 4

Prerequisites:

BIOL 220.

BIOL 426: Food Microbiology

Lecture-laboratory course involving the microbiology and epidemiology of food-borne diseases and food poisoning and microbiology of fermented foods. Methods of prevention and identification are considered.

Credits: 4

Prerequisites:

BIOL 220.

BIOL 430: Biostatistics

Deals with measures of central tendency and dispersion; binominal, student, and chi-square distribution; and hypothesis testing related to biological problems.

Credits: 4

Prerequisites:

college algebra or the equivalent.

BIOL 432: Plant Populations and Communities

Lectures, labs and field trips introduce students to the structure and dynamics of plant populations and communities from an evolutionary perspective. Students develop and awareness of abiotic factors and ecological relationships between species that influence the abundance and distribution of plants in the natural environment, and the important role of plants in the global ecosystem. Laboratory exercises allow students to design and implement field and greenhouse experiments. Students will gain experience with internet resources in searching the primary literature in plant ecology, as well as analyzing and presenting scientific data.

Credits: 4

Prerequisites:

BIOL 101/102, BIOL 200, BIOL, 230 or consent of instructor.

BIOL 441: Endocrinology

.Examines the endocrine system in a systematic manner, beginning with consideration of the chemistry, function and physiological roles of the hormones. Special emphasis on the molecular mechanism of action of these hormones and how are they are involved in the regulation of physiological processes.

Credits: 4

Prerequisites:

BIOL 200, Chemistry through organic and consent of instructor.

BIOL 444: Neurobiology/Neuroscience

The function of the nervous systems from a molecular and cellular perspective. Topics include cellular neurophysiology, synaptic transmission, processing of sensory information and motor control of movement.

Credits: 4

Prerequisites:

BIOL 341.

BIOL 445: Biochemical Genetics

Study of the chemical nature of the genetic materials, mutation, the genetic code, protein synthesis, enzyme subunit structure, genetic complementation, and gene action and development.

Credits: 4

Prerequisites:

BIOL 101/102, BIOL 200, CHEM. 142, and consent of instructor.

BIOL 446: Mycology

General study of the biology of fungi, with emphasis on their development, phylogeny, and ecologic distribution.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 448: Techniques in Biological Chemistry

Introduces student to the theoretical bases and practical applications of experimental techniques in cellular biochemistry. Lecture-laboratory instruction on the following: pH, buffers and solutions (gravimetric and spectrophotometric methods); purification of enzymes and other proteins by chromatographic (MEC, IEC, etc.) and electrophoretic (PAGE, SDS-PAGE, IEF) methods; enzyme kinetics (K_m , inhibition); isozymes (pI , K_m , M_r , densitometry); estimation of relative molecular mass of proteins by denaturing and non-denaturing methods (retardation coefficients); quantitative (graphic and statistical) analysis of experimental data; BASIC computer programming.

Credits: 4

Prerequisites:

a survey course in biochemistry.

BIOL 449: Population Genetics

Focuses on the genetic structure of population, factors affecting gene frequency, geno-type-environment interaction, and genetic relationship in natural and artificial populations.

Credits: 4

Prerequisites:

BIOL 200 and consent of instructor.

BIOL 450: Molecular Genetics

Students learn transcription and translational regulation of gene expression, concepts of knockout and transgenic technology, RFLP and restriction mapping, and fundamental concepts of molecular aspects of genome size, concepts in bioinformatics and hands-on experience in basic recombinant DNA techniques.

Credits: 4

Prerequisites:

BIOL 200, 320 or CHEM 151 (Biochemistry)

BIOL 451: Ultrastructure

Course in electron microscopy undertaking methods of preparation of biological specimens and a study of their fine structure.

Credits: 4

Prerequisites:

BIOL 310 or equivalent.

BIOL 452: Cell Signaling

Study selected pathways of signal transduction as they relate to information transfer from cell surface receptors to DNA binding sites and/or response elements within the nucleus.

Credits: 4

Prerequisites:

BIOL 310 or equivalent.

BIOL 454: Principles of Plant Pathology

Lecture-laboratory study of the nature, etiologic agents, and host-parasite interactions associated with plant disease development.

Credits: 4

Prerequisites:

BIOL 101/102 and advanced standing.

BIOL 455: Experimental Plant Morphogenesis

Study of the physical and biochemical factors regulating cell, tissue, and organ differentiation in higher plants.

Credits: 4

Prerequisites:

BIOL 310 and consent.

BIOL 457: Morphology of Lower Plants

Intensive examination of the development, ecology, and phylogenetic relationships of the prokaryotes, fungi, algal groups, and bryophytes.

Credits: 4

Prerequisites:

BIOL 101/102 and advanced standing.

BIOL 459: Morphology of Vascular Plants

In-depth study of the origin, structure, ontogenetic patterns, and evolutionary relationships of vascular plants. Alternate year course.

Credits: 4

Prerequisites:

BIOL 101/102.

BIOL 462: Biotechnology

Prepares students with an in-depth understanding of modern techniques in molecular genetics so they can compete in an ever-growing biotechnology job market.

Credits: 4

Prerequisites:

BIOL 320 or BIOL 450

BIOL 489: Honors Research

Conception and development of an individual research project.

Credits: 1-3

Prerequisites:

Enrollment in the COAS Honors Program and consent of instructor.

BIOL 493, 494: Senior Seminar

Weekly seminar for undergraduates on current topics in biology.

Credits: 1

Prerequisites:

BIOL 200 and all core electives.

BIOL 495/496: Honors Research

A course designed to provide students with the opportunity to plan and execute research problems which denote a level of creativity and mastery of research technology beyond that expected in standard laboratory training. Marc Honors Course.

Credits: 3

BIOL 498/499: Honors Seminar

Weekly seminar devoted to discussions of various aspects of biological research. Emphasis is placed on presentations by invited speakers and presentations of student research projects. Marc Honors Course.

Credits: 0

BIOL 500: Topics in Molecular and Cellular Biology

An examination of contemporary issues in molecular and cellular biology.

Credits: 1

Prerequisites:

BIOL 310 or 320 and consent of instructor.

BIOL 501: Topics in Anatomy and Physiology

An examination of contemporary issues in anatomy and physiology.

Credits: 1

Prerequisites:

BIOL 251, 253, 341 or 344 and consent of instructor.

BIOL 502: Topics in Ecology and Evolution

A survey of current issues in ecology and evolution.

Credits: 1

Prerequisites:

BIOL 230 or 240 and consent of instructor.

BIOL 801: Environmental Studies I

An interdisciplinary examination of environmental issues with particular attention to impacts affecting communities at local and regional levels. Particular attention will be paid to anthropological, biological, ethical, political and social aspects.

Credits: 3

BIOL 802: Environmental Studies II

An interdisciplinary examination of environmental issues with particular attention to causal factors and impacts at national and global levels. Particular attention will be paid to anthropological, biological, ethical, political and social aspects.

Credits: 3

MDMI 103: Microbiology w/Lab

Credits: 4

Chemistry

CHEM

COURSE DESCRIPTIONS

CHEM 001: General and Applied Chemistry

Specially oriented toward students needing one semester of chemistry. Covers topics in elementary inorganic, organic, and biological chemistry.

Credits: 3

CHEM 002: General and Applied Chemistry Laboratory

Designed to teach some of the elementary techniques of experimentation and observation as carried out in a chemical laboratory.

Credits: 1

CHEM 003: General Chemistry and Recitation

Deals with the fundamental principles of chemistry, the chemical and physical properties of the elements and their most common compounds, and methods of qualitative inorganic analysis. Prerequisite: Students required to take CAR math have to satisfy that requirement before they will be able to enroll in this course.

Credits: 4

CHEM 004: General Chemistry and Recitation

Lecture course that is a continuation of CHEM 003.

Credits: 4

Prerequisites:

CHEM 003 or consent of instructor.

CHEM 005: General Chemistry Laboratory

Designed to teach some of the techniques of chemical experimentation, illustrate some of the principles of chemical theory, and develop some skill in the preparation and analysis of chemical substances.

Credits: 1

CHEM 006: General Chemistry Laboratory

Continuation of CHEM 005.

Credits: 1

Prerequisites:

CHEM 005

CHEM 084, 085: Directed Readings for Sophomores

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. Honors course.

Credits: 1

CHEM 088, 089: Directed Readings for Juniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. Honors course.

Credits: 2

CHEM 092, 093: Special Laboratory Projects.

Introduction to the use of chemical literature and research methods through experimental work on a research problem. Honors course.

Credits: 1-6

Prerequisites:

CHEM 122 and CHEM 142.

CHEM 101: Inorganic Chemistry

Examination of molecular structure and the application of valence and other theories in the interpretation of inorganic chemical reactions.

Credits: 3

Prerequisites:

CHEM 172 or consent of instructor.

CHEM 102: Advanced Inorganic Chemistry

Systematic treatment of inorganic chemistry in terms of molecular structure, periodic properties, and current theories of bonding.

Credits: 3

Prerequisites:

CHEM 172 or consent of instructor.

CHEM 105: Techniques of Inorganic Chemistry

Preparation, purification, and structural analysis of inorganic substances.

Credits: 2

Prerequisites:

CHEM 122, CHEM 142, and CHEM 172 or consent of instructor.

CHEM 122: Analytical Chemistry Lectures

Treats the principles and techniques of quantitative analysis, with emphasis on both wet and instrumental techniques, statistical analysis of data, homogeneous and heterogeneous equilibria, criteria for a reliable analysis, and capability and limitation of instruments for analytical application.

Credits: 3

Prerequisites:

CHEM 004.

CHEM 123: Analytical Chemistry Laboratory

Presents experiments covering gravimetric, potentiometric, spectrophotometric, and chromatographic techniques.

Credits: 2

CHEM 126: Instrumental Methods of Analysis—Lecture

Basic theory and applications of instrumental methods of analysis, including spectroscopy, electroanalytical methods, and chromatography.

Credits: 3

Prerequisites:

CHEM 122.

CHEM 127: Instrumental Methods of Analysis—Laboratory

Experimental applications of spectroscopy, electroanalytical methods, and chromatography.

Credits: 2

Prerequisites:

CHEM 122 and CHEM 123.

CHEM 131: Advanced Analytical Chemistry

Examination of the principles and experimental aspects of analytical chemistry on an advanced level.

Credits: 3

Prerequisites:

CHEM 122.

CHEM 132: Introduction to Environmental Chemistry

Focuses on certain key principles of chemistry that are fundamental for understanding environmental waste problems.

Credits: 3

Prerequisites:

CHEM 006.

CHEM 135: Techniques of Analytical Chemistry

Treatment of basic techniques of analytical chemistry, with emphasis on the underlying theory and methods of its application to the solution of analytical problems; obtaining accurate and reliable data; evaluating sources of error; and interpreting the significance of the results and reporting them in a clear and concise manner.

Credits: 2

CHEM 140: Techniques of Organic Chemistry

Experimental studies in the isolation, purification, and structure determination of organic compounds, utilizing primarily spectroscopic methods. Six hours a week.

Credits: 3

Prerequisites:

CHEM 142 and consent of instructor.

CHEM 141: Organic Chemistry

Lecture course analyzing the chemistry of the compounds of carbon.

Credits: 3

Prerequisites:

CHEM 004.

CHEM 142: Organic Chemistry

Continuation of CHEM 141.

Credits: 3

Prerequisites:

CHEM 141.

CHEM 143: Advanced Organic Chemistry

Lecture course examining, or an advanced level, the chemistry of certain classes of compounds of carbon.

Credits: 3

Prerequisites:

CHEM 142.

CHEM 144: Physical Organic Chemistry

Lecture course that correlates the properties of organic molecules with their structure.

Credits: 3

Prerequisites:

CHEM 142, CHEM 143, and CHEM 172.

CHEM 145: Organic Chemistry Laboratory and Laboratory

Experimental studies in the isolation, purification, and synthesis of organic compounds.

Credits: 3

Prerequisites:

Concurrent enrollment in CHEM 141 or CHEM 142.

CHEM 148: Polymer Synthesis Lecture

Designed to introduce the principles of polymer chemistry and methods of polymer synthesis.

Credits: 3

CHEM 149: Polymer Synthesis Laboratory

Designed to introduce the techniques of polymer synthesis.

Credits: 1

CHEM 151: Biochemistry Lecture

Analysis of the chemistry, metabolism, and enzymology of carbohydrates, proteins, fats, and other cellular constituents. May be taken jointly with CHEM 171.

Credits: 3

Prerequisites:

CHEM 142.

CHEM 152: Biochemistry

Continuation of CHEM 151.

Credits: 3

Prerequisites:

CHEM 151.

CHEM 156: Biochemistry Survey

One-semester biochemistry course covering the chemistry and metabolism of carbohydrates, lipids, nucleic acids, and proteins.

Credits: 3

Prerequisites:

CHEM 142.

CHEM 157: Biochemistry Survey Laboratory

Experimental studies in the isolation and chemical reactivity of substances of biological interest.

Credits: 1

CHEM 167: Physical Properties of Polymers

Course provides an understanding of the physical chemical issues involved in the processing and applications of polymers. Emphasis will be on the structural, thermal, mechanical and electro-optical properties of chain molecules.

Credits: 3

Prerequisites:

CHEM 171 or equivalent or permission of instructor.

CHEM 168: Polymer Characterization

Deals with the basic concepts and techniques used in the characterization of various types of polymers.

Credits: 3

Prerequisites:

CHEM 148.

CHEM 169: Polymer Characterization Laboratory

Experimental applications involved in the characterization of polymers.

Credits: 1

Prerequisites:

CHEM 149.

CHEM 171: Physical Chemistry Lecture

An introduction to thermodynamics and its applications; quantum chemistry including atomic and molecular structure; atomic and molecular spectroscopy.

Credits: 3

Prerequisites:

CHEM 004; Physics PHYS 002; and differential and integral calculus.

CHEM 172: Physical Chemistry Lecture

Continuation of CHEM 171, including chemical kinetics, catalysis, and photochemistry.

Credits: 3

Prerequisites:

CHEM 171.

CHEM 173: Physical Chemistry Laboratory

Lecture- laboratory course that includes experimental studies in spectroscopy and molecular structure, properties of gases, and thermodynamics.

Credits: 1

Prerequisites:

CHEM 171.

CHEM 174: Physical Chemistry Laboratory

Continuation of CHEM 173.

Credits: 2

CHEM 178: Advanced Physical Chemistry

Comprehensive treatment of some classical and modern physical chemistry topics.

Credits: 3

Prerequisites:

CHEM 172.

CHEM 179: Advanced Physical Chemistry

Continuation of CHEM 178.

Credits: 3

CHEM 180: Chemistry for the Health Sciences I and Recitation

Designed for non-chemistry majors in the health sciences and related fields (nutrition, nursing, medical technology, etc.) Deals with basic concepts of General Chemistry and Organic Chemistry.

Credits: 4

CHEM 181: Chemistry for the Health Sciences Laboratory

Designed to teach some of the techniques of chemical experimentation, illustrate some of the principles of chemical theory and develop skill in the preparation and analysis of organic and biochemical substances.

Credits: 1

CHEM 182: Chemistry for the Health Sciences II and Recitation

Lecture course that is a continuation of CHEM 181. Deals with basic concepts of organic chemistry and Biochemistry. Prerequisite CHEM 181.

Credits: 4

CHEM 183: Chemistry for the Health Sciences Laboratory

Continuation of CHEM 182.

Credits: 1

Prerequisites:

CHEM 182.

CHEM 184: Computer Programming for Chemists

Fortran programming, principles of numerical analysis, numerical solution of differential equations and problems in linear algebra, statistics, and probability.

Credits: 3

Prerequisites:

CHEM 183 or consent of instructor.

CHEM 195: Introduction to Atmospheric Chemistry

General introduction to atmospheric sciences with an emphasis on the chemistry of the earth's atmosphere. General examination of the current state of knowledge regarding the photochemistry, kinetics, chemical cycling, and evolution of the earth's atmosphere.

Credits: 3

Prerequisites:

CHEM 172 or consent of the instructor.

CHEM 196: Atmospheric Chemistry

Advanced treatment of the current theories of chemical evolution and stability of planetary atmospheres with an emphasis on the earth's atmosphere.

Credits: 3

Prerequisites:

CHEM 172, CHEM 195, or consent of the instructor.

CHEM 197: Planetary Atmospheres

Continuation of CHEM 296. Treatment of the evolution chemistry, and physics of extraterrestrial and interstellar atmospheres.

Credits: 3

Prerequisites:

CHEM 297 or consent of the instructor.

CHEM 198: Current Topics in Atmospheric Sciences

Seminar course featuring area scientists whose field of specialty is in atmospheric or space sciences. Representative topics will be acid rain, global warming/cooling, ozone depletion, and air pollution.

Credits: 2

CHEM 199: Atmospheric Radiation I

Application of radiative transfer theory to problems in planetary atmospheres with emphasis on the earth's atmosphere. Principles of atomic and molecular spectroscopy, absorption and emission by atmospheric gases, radiation flux and flux divergence computations will be covered.

Credits: 3

Prerequisites:

Physics PHYS 178, Physics PHYS 182, differential and integral calculus.

CHEM 990: Co-op Chemistry

The program provides students with the opportunity to develop the academic and professional skills required to pursue employment in these areas, or to continue on to graduate training in an academic field related to Chemistry

Credits: 1-12

Economics

ECON

COURSE DESCRIPTIONS

BECN 330: Managerial Economics

Analyzes decision-making in the enterprise. Emphasizes the market environment measurement of the influence of policy and non-policy variables on sales, costs, and profits.

Credits: 3

Prerequisites:

ECON 001, ECON 002, INFO 311.

ECON 001: Principles of Economics I

Introduction to macroeconomic analysis and its application to the American economic system. Includes such major topics as the economic role of government, the banking system, the determination and measurement of national income, economic growth, and elements of monetary and fiscal policies.

Credits: 3

ECON 002: Principles of Economics II

Continuation of Principles I. Considers the problem of scarcity and allocation of resources in a free enterprise economy, with special emphasis on the pricing behavior of business firms and households.

Credits: 3

ECON 084/085: Directed Readings for Sophomores (HONORS)

Students undertake a course of independent study under the guidance of one or more faculty advisors. Readings from textbooks, handbooks, monographs, and the scientific periodical literature are assigned in a specific area. (1 hr. each semester .)

Credits: 1

Prerequisites:

cumulative GPA of 3.2

ECON 088/089: Directed Readings for Juniors (Honors)

(1 hr. each semester .)

Credits: 1

Prerequisites:

cumulative GPA of 3.2

ECON 092/093: Senior Departmental (Honors)

Credits: 3

Prerequisites:

cumulative GPA of 3.2

ECON 095: Internship

Opportunity for students to work closely with advisor on research opportunities

Credits: 3

ECON 132: Political Economy

Examination of the links between economic and political processes, along with an extension of economic theory beyond its traditional boundaries in order to consider the various political processes through which economic processes are either altered or transformed.

Credits: 3

ECON 170: Intermediate Microeconomic Theory

Study of the price system in a market-oriented economy, with special emphasis given to theories relating to the consumer and firm behavior.

Credits: 3

Prerequisites:

ECON 002 and MATH 026..

ECON 171: Intermediate Macroeconomic Theory

Builds upon the material covered in ECON 001 and examines in greater depth the tools of macroeconomic analysis and how they may be used to analyze the interaction between such macroeconomic variables as private consumption, private investment, public spending, money supply, inflation, and unemployment.

Credits: 3

Prerequisites:

ECON 001; MATH 026.

ECON 172: Industrial Relations

General course in labor problems which examines the basic character of the problems involved in the determination and administration of wages. Prerequisite:ECON 002.

Credits: 3

ECON 173: Collective Bargaining, Public Policy

Deals with the development, analysis, and significance of collective bargaining; labor and employer organization and public policy toward unionism and collective bargaining.

Credits: 3

ECON 174: Labor Law and Social Legislation

Considers the matter of government intervention in industrial relations and analyzes cases relating to the following areas: criminal conspiracy and other early doctrines, subversive activities, application of the Sherman Act, the legality of economic tactics employed by labor and management, bargaining rights, wage-hour legislation, fair employment practices, and civil rights.

Credits: 3

ECON 175: History of Economic Thought

Survey of the history of economic thinking from ancient Graeco-Roman economics to the classical school, including criticism and the consequences of their influence upon the evolution of neoclassical doctrines and the development of present economic thought.

Credits: 3

Prerequisites:

ECON 001.

ECON 177: Growth of the American Economy

Concerns the process of economic growth from the colonial period to the present day, stressing the interrelationships of changes in various sectors.

Credits: 3

Prerequisites:

ECON 001 and ECON 002.

ECON 180: Statistics for Business and Economics

Examines basic statistical methods and their use for economics and business, including averages, measures of dispersion, testing hypotheses, elementary probability theory, index number, time series analysis, and simple correlation, with emphasis placed on descriptive statistics.

Credits: 3

ECON 182: Mathematics for Economics

Includes calculus, matrix algebra, and maximization problems, with applications for economics problem solving.

Credits: 4

Prerequisites:

MATH 006.

ECON 183: Mathematical Economics

Mathematical exposition of the basic theories of economic behavior.

Credits: 3

Prerequisites:

ECON 182 or MATH 026.

ECON 184: Introduction to Econometrics

Introduction to econometric theory and techniques. First part of the course deals with theory of the two-variable regression model and technical practices of its application. Extension to a three-variable model illustrated and analyzed. Special topics such as use of lagged and dummy variable, and problems such as multicollinearity, autocorrelation, and hetero-skedasticity are considered.

Credits: 3

Prerequisites:

ECON 181, ECON 183, and MATH 026.

ECON 185: Labor Economics

Analysis of institutions concerned with utilization of human resources; the growth, organization, and objectives of management and trade unions; and major labor issues and problems, including those connected with collective bargaining.

Credits: 3

Prerequisites:

ECON 001 and ECON 002.

ECON 186: Economic Development in Africa

Survey of economic issues in Africa, including an analysis of the transition to a market economy; the development of trade, industry, and agriculture; and the theory and policy of economic development and planning.

Credits: 3

Prerequisites:

ECON 194.

ECON 187: Comparative Economic Systems

Presents the theories, programs, and practices of the principal economic systems, with special reference to countries that are heavily dependent on market mechanisms and to countries that rely strongly upon central command.

Credits: 3

Prerequisites:

ECON 001 and ECON 002.

ECON 188: The Economics of Black Community Development

Economic analysis of the problem of rapid technological change under the condition of oligopolistic pricing and the effects upon the well-being of the labor force, with particular reference to the black community. Special attention is given to the problem of economic and financial reorganization of the ghetto economy, together with the problem of shifting to labor-using capital expansion to create employment and raise real income in the black-owned sector.

Credits: 3

Prerequisites:

ECON 001 and ECON 002.

ECON 189: Industrial Organization

Examines the organization of American industry under various states of the market, including antitrust cases.

Credits: 3

Prerequisites:

ECON 170 and ECON 171.

ECON 190: Public Finance

Designed to acquaint students with the role of the government (federal, state, and local) in the economy. Fundamentally aims to equip students with the prevailing theories and practices of fiscal institutions in our economy, with emphasis on their allocation, distribution, and stabilization functions.

Credits: 3

Prerequisites:

ECON 001.

ECON 191: International Economics

Discusses such topics as national specialization and international exchange, the significance of international trade to various countries, financial problems, economic development, and common markets.

Credits: 3

Prerequisites:

ECON 001 and ECON 002.

ECON 192: International Commercial Policy

Examines the problems of free trade and protectionism and their changes through history.

Credits: 3

Prerequisites:

ECON 191.

ECON 193: The Economics of Decision Making

Concerns decision making in a complex industrial model, the negotiated market model, and the centralized model. The following questions are considered in the different models: Who makes the decisions? For whom and toward what goals are these decisions made? What is the structure of the decision-making hierarchy? How are decisions made? What variables are manipulated in the execution of decisions?

Credits: 3

Prerequisites:

ECON 170 and ECON 171.

ECON 194: Theory of Economic Development

Treats the theories, models, and patterns of economic development of advanced and less developed economies and analyzes the economic and noneconomic variables that influence economic development, including some historical theories and approaches to economic development.

Credits: 3

Prerequisites:

ECON 001 and ECON 002.

ECON 195: Money and Banking

Introduction to the study of money, credit, interest rates, and banking, both within and outside of the FRS, with major emphasis on the structure and operations of commercial banks and activities of the FRS.

Credits: 3

Prerequisites:

ECON 001.

ECON 196: Monetary Analysis

Designed to acquaint the student with the principles of monetary theory and this application to the economy; examines the theory of money supply and demand and its effects on macroeconomic models.

Credits: 3

Prerequisites:

ECON 195 and ECON 171.

ECON 197: Economic Problems of Western Europe

Analysis of the development of the economies of Western Europe with special reference to the period following World War II.

Credits: 3

Prerequisites:

ECON 001.

ECON 199: Introduction to Urban Economics

Analysis of the special economic problems of urban regions, e.g., growth and development, a hierarchy within a system of urban regions, housing, transportation, urban poverty, and local public finance. Emphasis is on the economics of the spatial order within and among urban regions.

Credits: 3

Prerequisites:

ECON 001 and ECON 002.

English

ENGL

COURSE DESCRIPTIONS

ENGL 002: Freshman Composition

Designed to develop the student's ability to express ideas clearly and effectively in writing and to read with perception and accuracy. **Course Discontinued.**

Credits: 3

ENGL 003: Freshman Composition

Intended to increase the student's ability to write effectively, to read critically, and to present ideas logically.

Course Discontinued.

Credits: 3

ENGL 009: Technical Writing, Pre-Professional

The course focuses on written and oral communication in technical writing. Students will be required to produce documents encountered within the workplace, especially in a global marketplace. These will include - but not be limited to - correspondence, memos, business reports, collaborative and individual proposals, formal e-mails, argumentative essays, job search strategies, visually appealing brochures, and portfolios. In addition, students will hone communication skills essential to achieving success in the competitive work environment. **Prerequisite: successful completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher. Satisfies 3rd Writing Requirement of COAS**

Credits: 3

Prerequisites:

Prerequisite: successful completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher

ENGL 010: Technical Writing for Pre-Law Students

This course is designed to introduce the student to fundamental concepts of legal writing. Whether the career goal is to become an attorney, paralegal, journalist, or corporate executive, success will depend on the ability to think, analyze, and communicate in an effective style. This course will focus on the exercises and skills necessary to complete a first semester legal research and writing course in law school, including case citation methodology, writing memoranda, and preparing an appellate brief. **Prerequisite: successful completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher ... Satisfies 3rd Writing Requirement of COAS**

Credits: 3

Prerequisites:

Successful completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher

ENGL 014: Introduction to Humanities I

Introduces students to critical approaches and major texts in the global humanities. Addresses key foundational texts in the Western classical tradition (Homer, Seneca, Plato, etc.) as well as devote special critical attention to the study of seminal works in other fields. Students will learn about the fundamental goals and objectives of the global humanities, which later artists and men and women of letters (during the Renaissance period) imitated and applied the traditional classical forms, from the Greeks and Romans, to illustrate what moral values and collective ideals should define the pursuit of knowledge and human experience.

Credits: 3

ENGL 015: Introduction to Humanities II

This course is informed by a global record of writers, artists, musicians, poets, etc. who have influenced generations. Intro to Humanities I (ENGL 014) focused on a choice of texts from world's narrative traditions (archaic Greece to modern America through those of Africa); Humanities II builds and continues this study, but through the texts of the world's dramatic traditions (drama and ritual).

NOTE: Students do not need to take ENGL 014 to be able to take this course

Credits: 3

ENGL 054: African American Literature to 1940

Designed to introduce students to the major authors, genres, journals, themes, movements, and debates that have shaped the African American literary tradition -it examines the cultural experiences of African/African Americans who helped shape the growth of the United States from its earliest beginnings through the early 1940s. Students will become familiar with the works of the authors, poets, artists, activists, and critical analysts who made an indelible mark in this area of literature, culture, and history.

Credits: 3

ENGL 055: African-American Literature from 1940 to the Present

This course explores representative texts from the African American literary tradition in a mostly historical/chronological order. As a survey course, it will explore key units and ideas from the African American literary tradition after 1940 through a study of works that think about, describe, create, resist, defy, and/or break various "boundaries." Through lectures, readings, and other assignments, students will come to understand the development of African American literary production from the beginning of the 1940s to the present era.

Credits: 3

ENGL 056: Introduction to Caribbean Literature

This course explores literature produced by Caribbean writers—both locally and across the Caribbean's diasporas—and ideas that have shaped these writers' literary output. Critical to this exploration is a consideration of Caribbean history, development, and political/cultural identity. In addition, it pays attention to major socioeconomic and political forces that have shaped the region, including slavery, colonization, struggles for independence and migration, and examines ways in which these issues have affected Caribbean writers' literary imagination. *NOTE: also satisfies a requirement in the Caribbean Studies minor*

Credits: 3

ENGL 075, 076: Composition for Honors

Honors courses concentrating on the four areas of communication: speaking, reading, writing, and listening.

Credits: 3

ENGL 084: Honors for Sophomores I

This course provides directed reading for sophomores in the COAS Honors Program as they begin formulating ideas for the Honors Thesis. Students undertake independent reading, research and writing in preparation for the completion of an Honors Thesis. **Restricted/reserved for English majors in the COAS Honors Program.**

Credits: 1

ENGL 088: Honors for Juniors I

This course uses seminar, workshop, and independent study formats to assist junior English majors in the COAS Honors Program to map a senior honors thesis project. Students will complete short, weekly written assignments and engage in additional reading, discussion, and workshop activities in order to improve their research and writing skills and to hone a senior thesis prospectus. **Restricted/reserved for English majors in the COAS Honors Program.**

Credits: 1

ENGL 092: Honors for Seniors I

Provides guidance in completing the research for the Honors Thesis and working toward a first draft.

Comparable to Senior Thesis * Prerequisite: in good standing in COAS Honors Program. **Restricted/reserved for English majors in the COAS Honors Program**

Credits: 3

Prerequisites:

Good standing in COAS Honors Program.

ENGL 104: Sophomore Seminar I: Introduction to English Studies

Introduces English majors and minors to methodologies of close reading that reveal the rich complexity of literary texts and provide an appreciation of the way those texts signify in relation to their aesthetic, social, and historical contexts. Upon completion of the course, successful students will be in possession of the critical vocabulary, the basic reading and writing skills, and the knowledge of information technologies and library resources essential to an English major or minor. Required for English majors and minors. **Prerequisite: successful completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher** *This course must be taken in residence; no transfer credit will be accepted for this course. **Restricted/Reserved to English Majors or Minors**

Credits: 3

Prerequisites:

Successful completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher

ENGL 105: Sophomore Seminar II: Theories of Interpretation.

The second part of the required two-semester introductory sequence for English majors and minors, this course is designed to give students guided opportunities to acquire effective methods of writing literary analyses informed by current critical theory, including African-American critical strategies and intellectual discourses. This course must be taken in residence; no transfer credit will be accepted for this course.

Credits: 3

Prerequisites:

ENGL 104 with grade of "C" or higher.

ENGL 110: Linguistic (and/or Language) Foundations

Provides foundational knowledge of the principles and methods of language analysis. By the end of this course, successful students will be able to apply this knowledge to the study of human language in general and English in particular and to demonstrate a metalinguistic awareness as it relates to registers and styles and an awareness of the differences between oral and written language and standard and non-standard dialects and grammars. Required for English majors. Prerequisite. ENGL-104 with "C" or higher or concurrent enrollment in ENGL-104. **Restricted/Reserved for English Majors or Minors**

Credits: 3

Prerequisites:

ENGL 104 with "C" or higher or concurrent enrollment in ENGL 104.

ENGL 111: African American Literary Foundations

Provides a context for understanding African American literary production and critical theory by examining representative African American literary discourses from the colonial period to the present; includes consideration of the contribution of the African American folk tradition to the creative process. Upon completion of this course, successful students will have a foundational knowledge of the deep roots and rich diversity of the literary African American tradition and be able to write about it with clarity, accuracy, and insight. **Required for English majors. Prerequisite: ENGL-104 with "C" or higher or concurrent enrollment in ENGL-104. Restricted/Reserved for English Majors or Minors**

Credits: 3

Prerequisites:

ENGL-104 with "C" or higher or concurrent enrollment in ENGL-104.

ENGL 112: American Literary Foundations

Introduces students to the major texts, genres, periods, authors and ideas that make up the literature of what becomes the United States, from its origins to the present. Successful students will leave this course with an appreciation of the continuities and discontinuities of the multi-cultural literary traditions in American writing and an ability to write about it in a clear and informed way. Required for English majors. Prerequisite: ENGL-104 with "C" or higher or concurrent enrollment in ENGL-104. **Restricted/Reserved for English Majors or Minors.**

Credits: 3

Prerequisites:

ENGL-104 with "C" or higher or concurrent enrollment in ENGL-104

ENGL 113: British Literary Foundations

Introduces students to texts exemplary of key moments, movements, and discourses marking the development of the British literary tradition from the medieval era to the modern age, with emphasis on the cultural dynamics and literary modes affecting the literary production of British writers from various cultures who use English to express themselves. Successful students will leave this course with foundational knowledge of texts, authors, and cultural interactions whose significance endures to the present as well as with an ability to write effective, informed literary analyses. Required for English majors. Prerequisite: ENGL-104 with "C" or higher or concurrent enrollment in ENGL-104. **Restricted/Reserved for English Majors or Minors**

Credits: 3

Prerequisites:

ENGL-104 with "C" or higher or concurrent enrollment in ENGL-104

ENGL 114: College Grammar

An advanced comprehensive examination of English grammar from traditional, structural, and generative perspectives. By the end of the course, successful students will possess the vocabulary necessary to analyze grammatical functions, be able to do detailed analysis of word classes, phrases, and sentences using a variety of strategies, precisely identify and correct usage problems, and appreciate the rhetorical effects of various language structures. Highly recommended for English Majors and Minors. Prerequisites: ENGL-104 with "C" or higher. **Restricted/Reserved for English Majors or Minors... Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL-104 with "C" or higher

ENGL 117: Intro Creative Writing Fiction

Examines the art and craft of fiction writing, explored from the perspective of both writer and reader. Students will study the elements of successful fiction writing aided by texts about craft as well as published stories and excerpts provided by the instructor and stories created by classmates. Through these examples, they will analyze fiction's architectural details – including voice, imagery, character, plot, dialogue, narrative, metaphor, description, resolution, etc. Prerequisite: Completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher. **Satisfies a requirement for English Majors with Creative Writing concentration; Satisfies an English Major/Minor elective (Note: course does not fulfill a Division A or 3rd Writing Requirement of COAS)**

Credits: 3

Prerequisites:

Completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher.

ENGL 118: Intro to Creative Writing Poetry

In this class students will produce poetry in various forms. Students will engage in an intense environment with an emphasis on reading, writing, performance and collaboration. Projects may include of a mock anthology of other people's poetry and a portfolio of individual, original work. Various texts will be used to expose students to a rich body of work by contemporary poets. Students will be expected to read and respond to the texts through critical analysis or creative production. This class does have a performance aspect to it, so students should be prepared to share original readings individually, as well as participate in a group project.

Prerequisite: Completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher. *Satisfies a requirement for English Majors with Creative Writing concentration; Satisfies an English Major/Minor elective* **(Note: course does not fulfill a Division A or 3rd Writing Requirement of COAS)**

Credits: 3

Prerequisites:

Completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher.

ENGL 119: Intro to Creative Writing Non-Fiction

Students will learn the fundamentals of non-fiction writing and crafting a successful personal essay by learning and applying the techniques for self-critique and revisions: will understand the importance of and mechanics for creating realistic characters, captivating details, powerful images, believable dialogue, and, learn to apply formulas using their own lives as the foundation for non-fiction writing. Prerequisite: Completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher. *Satisfies a requirement for English Majors with Creative Writing concentration; Satisfies an English Major/Minor elective* **(Note: course does not fulfill a Division A or 3rd Writing Requirement of COAS)**

Credits: 3

Prerequisites:

Completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher.

ENGL 127: Creative Writing: Fiction

Focuses on the techniques required in the writing of fiction. English Majors and Minors. Fulfills a requirement for English Majors with Creative Writing concentration Prerequisite. ENGL 117 (Intro to Creative Writing Fiction) with "C" or higher. *Satisfies a requirement for English Majors with Creative Writing concentration; Satisfies an English Major/Minor elective* **(Note: course does not fulfill a Division A or 3rd Writing Requirement of COAS)**

Credits: 3

Prerequisites:

ENGL 117 (Intro to Creative Writing Fiction) with "C" or higher

ENGL 128: Creative Writing: Poetry

Focuses on the techniques required in writing poems in various sub-genres. English Majors and Minors. Required for English Majors with Creative Writing concentration Prerequisite: ENGL-118 (Intro to Creative Writing Poetry) with "C" or higher. *Satisfies a requirement for English Majors with Creative Writing concentration; Satisfies an English Major/Minor elective* **(Note: course does not fulfill a Division A or 3rd Writing Requirement of COAS)**

Credits: 3

Prerequisites:

ENGL-118 (Intro to Creative Writing Poetry) with "C" or higher.

ENGL 129: The Art of the Essay

Addresses the theory and practice of expository writing by reading exemplary texts and practicing a variety of organizational strategies. Sections may focus on different specified discourses (Ethnography, Political Rhetoric, Current Events, Cinema, Short Fiction, Poetry). Upon completion of the course, successful students will be able to write engaging essays characterized by stylistic expressiveness and grammatical precision. **Prerequisite: successful completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher ...**

Satisfies 3rd Writing Requirement of COAS

Credits: 3

Prerequisites:

Successful completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher ...

ENGL 130: Rhetoric: Theory and Practice

Uses critical analysis of exemplary argumentative writing as well as classical and modern rhetorical theories to teach strategies for writing argumentative or persuasive essays, specifically including those requiring researched evidence. Successful students will be able to deploy a variety of rhetorical strategies to write convincing essays characterized by stylistic finesse and thoughtful, well-researched development. ENGL-114 is strongly recommended. Prerequisite: ENGL-104 with grade of "C" or higher. **Restricted/Reserved for English Majors or Minors...**

Satisfies an English Major/Minor elective

Credits: 3

Prerequisites:

ENGL-104 with grade of "C" or higher.

ENGL 140: Drama Across Cultures

A cross-cultural genre course. Focuses on understanding the essential features of drama both ancient and modern from a variety of cultures, which may include European, American, African, African American. The successful student will acquire the vocabulary necessary to analyze drama critically, an understanding of the particular meaning drama creates through performance or imagined performance, and the ability to write about it effectively and insightfully. Prerequisite: ENGL-104 with grade of "C" or higher. **Restricted/Reserved for English Majors or Minors...**

Satisfies the period/cross-cultural genre course requirement for English majors;

Satisfies an English Major/Minor elective

Credits: 3

Prerequisites:

ENGL-104 with grade of "C" or higher.

ENGL 141: Poetry Across Cultures

A cross-cultural genre course. From the ritual chants to the epic, from the African praise song to the sonnet, this course focuses on the choices of style and genre that offer specific creative and interpretative possibilities to the poet. Upon completing this course, the successful student understands the essential nature of poetry, the conventions governing a variety of verse forms, as well as the vocabulary necessary to write about poetry with precision and critical acumen. Prerequisite: ENGL-104 with grade of "C" or higher. **Restricted/Reserved for English Majors or Minors...**

Satisfies the period/cross-cultural genre course requirement for English majors;

Satisfies an English Major/Minor elective

Credits: 3

Prerequisites:

ENGL-104 with grade of "C" or higher.

ENGL 142: Prose Fiction Across Cultures

A cross-cultural genre course. The course will sample the prose fiction of a wide variety of authors—for example, Aesop, Charles Dickens, Ralph Ellison, Christina Garcia, Chinua Achebe, Toni Morrison—in order to arrive at an essential understanding of the genre and a selection of sub-genres (for example, fable, short story, novel, novella). During this course, the successful student becomes aware of narrative strategies, the conventions governing specific forms (gothic, science fiction, mystery, adventure, romance), as well as the vocabulary to write about prose fiction in a critically illuminating way. Prerequisite: ENGL-104 with grade of “C” or higher. **Restricted/Reserved for English Majors or Minors...** *Satisfies the period/cross-cultural genre course requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL-104 with grade of “C” or higher.

ENGL 201: Major American Author: Langston Hughes

An advanced course that provides an intensive scholarly study of the texts of a single author (Douglass, Swift, Morrison, Shakespeare, among others) within their formal and cultural contexts; requires a research paper of substantial length (15 page minimum). One major author course is required for English majors; at least one major author will be offered each semester. Successful students will achieve a complex understanding of the canon of one important writer and be able to produce a sophisticated piece of researched literary analysis that takes into account the body of criticism on that writer. The Foundation course (ENGL-111, ENGL-112, or ENGL-113) relevant to the particular author is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of “C” or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors...** *Satisfies the major author requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of “C” or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 202: Major Author: Shakespeare

An advanced course that provides an intensive scholarly study of the texts of a single author (Douglass, Swift, Morrison, Shakespeare, among others) within their formal and cultural contexts; requires a research paper of substantial length (15 page minimum). One major author course is required for English majors; at least one major author will be offered each semester. Successful students will achieve a complex understanding of the canon of one important writer and be able to produce a sophisticated piece of researched literary analysis that takes into account the body of criticism on that writer. The Foundation course (ENGL-111, ENGL-112, or ENGL-113) relevant to the particular author is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of “C” or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors...** *Satisfies the major author requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of “C” or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 204: African American Author

An advanced course that provides an intensive scholarly study of the texts of a single author (Douglass, Swift, Morrison, Shakespeare, among others) within their formal and cultural contexts; requires a research paper of substantial length (15 page minimum). One major author course is required for English majors; at least one major author will be offered each semester. Successful students will achieve a complex understanding of the canon of one important writer and be able to produce a sophisticated piece of researched literary analysis that takes into account the body of criticism on that writer. The Foundation course (ENGL-111, ENGL-112, or ENGL-113) relevant to the particular author is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors...** *Satisfies the major author requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 205: African American Playwright

An advanced course that provides an intensive scholarly study of the texts of a single author (Douglass, Swift, Morrison, Shakespeare, among others) within their formal and cultural contexts; requires a research paper of substantial length (15 page minimum). One major author course is required for English majors; at least one major author will be offered each semester. Successful students will achieve a complex understanding of the canon of one important writer and be able to produce a sophisticated piece of researched literary analysis that takes into account the body of criticism on that writer. The Foundation course (ENGL-111, ENGL-112, or ENGL-113) relevant to the particular author is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors...** *Satisfies the major author requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 206: Major Author: Octavia Butler

An advanced course that provides an intensive scholarly study of the texts of a single author (Douglass, Swift, Morrison, Shakespeare, among others) within their formal and cultural contexts; requires a research paper of substantial length (15 page minimum). One major author course is required for English majors; at least one major author will be offered each semester. Successful students will achieve a complex understanding of the canon of one important writer and be able to produce a sophisticated piece of researched literary analysis that takes into account the body of criticism on that writer. The Foundation course (ENGL-111, ENGL-112, or ENGL-113) relevant to the particular author is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors...** *Satisfies the major author requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 209: British Author

An advanced course that provides an intensive scholarly study of the texts of a single author (Douglass, Swift, Morrison, Shakespeare, among others) within their formal and cultural contexts; requires a research paper of substantial length (15 page minimum). One major author course is required for English majors; at least one major author will be offered each semester. Successful students will achieve a complex understanding of the canon of one important writer and be able to produce a sophisticated piece of researched literary analysis that takes into account the body of criticism on that writer. The Foundation course (ENGL-111, ENGL-112, or ENGL-113) relevant to the particular author is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors...** *Satisfies the major author requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 210: Early African American Literature

An advanced course that examines African American literature from its earliest beginnings to the texts of the first decades of the twentieth century. ENGL-111 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

Restricted/Reserved for English Majors or Minors... *Satisfies the period/cross-cultural genre requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 211: African-American Realism, Naturalism, and Modernism

An advanced course that examines African American literature from the Harlem Renaissance to the 1960s, including but not limited to texts written by authors of the Harlem Renaissance, as well as Hayden, Brooks (early), Petry, Ellison, Wright, Baldwin, and Hansberry. ENGL-111 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors** *Satisfies the period/cross-cultural genre requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 212: African-American Literature from the Black Arts Movement to the Present

An advanced course that examines African American literature from the Black Arts Movement of the late 1960s to contemporary writing. ENGL-111 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/**

Reserved for English Majors or Minors *Satisfies the period/cross-cultural genre requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105

ENGL 213: African American Drama

An advanced course that surveys the development of African American drama. ENGL-111 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 214: African American Poetry

An advanced course that analyzes the poetry and poetics of major African American writers. ENGL-111 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors ... Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 215: African American Fiction

Analysis of the prose fiction genre as practiced by African American writers. ENGL-111 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors... Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 216: Folklore of the African Diaspora

Examines oral traditions of the African Diaspora with attention to cultural and historical contexts. ENGL-111 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors ... Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 217: African Literature

A selective survey of the literature of continental Africa, from ancient oral epics, tales, and poems to the postcolonial prose fiction, drama, and poetry of the past four decades. Readings will include works by authors such as Leopold Senghor, Amos Tutuola, Chinua Achebe, Wole Soyinka, Ngugi wa Thiong'o, Okot p'Bitek, Mariama Ba, Buchi Emecheta and Alex LaGuma. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105 ... **Restricted/Reserved for English Majors or Minors... Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 218: Ethnic American Literature

This course introduces students to ethnic American literature, music and film, focusing on U.S. Latinx, Asian American and African American cultures. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors...** *Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 225: Modern Caribbean Literature

Introduction to the literature of the Caribbean people, and its historical, cultural, and social contexts. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors or students in the Interdisciplinary Caribbean Studies Minor ...** *Satisfies an English Major/Minor elective; satisfies a requirement in the Interdisciplinary Caribbean Studies minor*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 226: Caribbean Author

An advanced course that examines the writings and cultural contexts of a single Caribbean author in depth. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors or students in the Interdisciplinary Caribbean Studies minor. ...** *Satisfies the major author requirement for English majors; Satisfies an English Major/Minor elective; Fulfills an elective for the Interdisciplinary Caribbean Studies minor.*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 227: Caribbean Genre

An advanced course that looks at one of the genres used by Caribbean authors, such as prose fiction, poetry, drama, autobiography, or hybrid modes based in folk form and orality. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors and students in the Interdisciplinary Caribbean Studies minor. ...** *Satisfies an English Major/Minor elective; Fulfills an elective for the Interdisciplinary Caribbean Studies minor.*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 228: Language in the Caribbean

Introduces students to the complex language formations in the Caribbean, by examining the origin, development and structures of Caribbean creoles, their relationship to European and African languages, and their social, cultural, and political contexts. ENGL-114 or ENGL-110 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors ...***Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 230: Early American Writings to Romanticism

An intensive examination of writing in America from the time of European colonization to the early days of independent nationhood as the United States. By closely examining the literary production of colonizers, indigenous people, clerics, promoters, zealots, and "others," successful students will achieve an understanding of the hybrid nature of American literature as well as specific knowledge of important canonical and non-canonical texts. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors ... Satisfies period/cross-cultural genre course requirement for English majors; Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105

ENGL 231: American Realism and Naturalism

Examines the efforts of both Black and White writers in the late nineteenth century to form a literature expressive of the "New America" resulting from the revolutionary changes brought about by Emancipation, Reconstruction, industrialization, immigration, and urbanization. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors... Satisfies the period/cross-cultural genre course requirement for English majors; Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 232: Twentieth and Early Twenty-first Century American Literature

Addresses the impact of wars, economic depression, racial conflict, changing gender definitions, views of religion, and other historical shifts that produced the distinctive writings of such authors as Faulkner, Hemingway, McCullers, Steinbeck, Welty, O'Connor, Ellison, Baldwin, Morrison, and others. ENGL-112 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105... **Restricted/Reserved for English Majors or Minors... Satisfies the period/cross-cultural genre course requirement for English majors; Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 233: Genres in American Literature: Graphic Novel

A specialized course that can either be a survey of a broad genre, like poetry or drama, or an examination of a particular sub-genre, such as detective fiction, captivity narrative, Theater of the Absurd, the Western epic, poems of Native Americans, etc. ENGL-112 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 234: Genres in American Literature

A specialized course that can either be a survey of a broad genre, like poetry or drama, or an examination of a particular sub-genre, such as detective fiction, captivity narrative, Theater of the Absurd, the Western epic, poems of Native Americans, etc. ENGL-112 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 235: Genres in American Literature

A specialized course that can either be a survey of a broad genre, like poetry or drama, or an examination of a particular sub-genre, such as detective fiction, captivity narrative, Theater of the Absurd, the Western epic, poems of Native Americans, etc. ENGL-112 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 241: Early Modern British Literature

Examines the cultural-literary developments from the Medieval Period to the advent of printing, continuing through the English Civil War in the mid-seventeenth century. Includes writers such as Margery Kempe, Geoffrey Chaucer, Queen Elizabeth, Christopher Marlowe, and William Shakespeare. Religious controversy, early feminist discourse, theories of government, and the impact of imperialism are themes that may be treated. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105... **Restricted/Reserved for English Majors or Minors ... Satisfies the period/cross-cultural genre course requirement for English majors; Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 242: The Age of Revolution: British Literature 1660-1800

Focuses on the changes British literature resulting from the emergence of a print culture in England that empowered new categories of writers (middle class citizens, women and Africans) and promoted for new literary genres (novel, periodical essay, biography, and autobiography). ENGL 113 strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors ONLY ...Satisfies the period/cross-cultural genre course requirement for English majors; Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 243: British Romantic Sensibilities

Study of major issues and debates in English life and culture reflected in the literature of the first half of the nineteenth century. ENGL 113 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors...** *Satisfies the period/cross-cultural genre course requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 244: Victorian Life and Literature

Study of major discourses and their participants in British literature from 1832 to 1901. ENGL 113 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors...** *Satisfies the period/cross-cultural genre course requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 245: Modern and Post-Colonial British Literature

Study of major writers and significant trends in British writing from 1901 to the present, with special emphasis on writing by Black Britons. ENGL 113 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors ...** *Satisfies the period/cross-cultural genre course requirement for English majors; Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 246: Genres in British Literature: Drama

May focus on historical surveys of the development of broad genres, like drama or prose fiction, or may focus on specialized topics such as The Jacobean Revenge Play, The Post-Colonial Novel, Abolitionist Poetry, or Afro-British Playwrights. ENGL-113 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors ...** *Satisfies an English Major/Minor elective*

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 247: Genres in British Literature; Drama

May focus on historical surveys of the development of broad genres, like drama or prose fiction, or may focus on specialized topics such as The Jacobean Revenge Play, The Post-Colonial Novel, Abolitionist Poetry, or Afro-British Playwrights. ENGL-113 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105... **Restricted/Reserved for English Majors or Minors. Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 248: Genres in British Literature

May focus on historical surveys of the development of broad genres, like drama or prose fiction, or may focus on specialized topics such as The Jacobean Revenge Play, The Post-Colonial Novel, Abolitionist Poetry, or Afro-British Playwrights. ENGL-113 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105... **Restricted/Reserved for English Majors or Minors ...Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 250: Comparative Literature

Introduction to the history, theory, and practice of comparative literature, with attention to such topics as literary movements, genre formation, constructions of gender, interdisciplinary relations. Focusing on major texts, the course develops abilities to do comparative analysis. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105. **Restricted/Reserved for English Majors or Minors ... Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 261-263: Topics in Linguistics

The course explores various topics in linguistics, such as American English Dialects, African American Vernacular English, Forensic Linguistics, Narrative Analysis, Language and Social Media ENGL-110 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105... **Restricted/Reserved for English Majors or Minors ...Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 271-273: Topics in Literary Criticism

The course explores various topics in linguistics, such as American English Dialects, African American Vernacular English, Forensic Linguistics, Narrative Analysis, Language and Social Media ENGL-110 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105... **Restricted/Reserved for English Majors or Minors ...Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 280-289: Topics in Literature and Writing

Some of the possibilities for special literary topics include "Women Writers," "The Bible as Literature," "The Blues and Literature"; interdisciplinary studies linking music or art with literature; or an intensive study of one major text like *Invisible Man*, *Paradise Lost*, *Gulliver's Travels*, or *Their Eyes were Watching God*. Possibilities for special topics in writing might include Ethnographic Writing, Advanced Argumentation, Persuasive Rhetoric, and so forth. Taught at an advanced level, these courses require extensive research. Prerequisite is the successful completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher. **Satisfies an English Major/Minor elective (Note: these courses do not satisfy a Division A or 3rd Writing Requirement of COAS**

Credits: 3

Prerequisites:

Successful completion of First Year Writing Sequence (ENGW courses) with grade of <C> or higher.

ENGL 290: Principles of Editing

An advanced writing course. Teaches students to edit writing produced by themselves or others by employing strategies from linguistics, rhetoric, and literature; introduces students to professional proofreading symbols. By the end of the term, successful students will be able to identify ineffective strategies or styles and know how to correct them. ENGL-110 or ENGL-114 is strongly recommended. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105 **Restricted/Reserved for English Majors or Minors ... Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105

ENGL 291: Writing Critical Reviews

An advanced writing course that considers the critical review as a genre. Develops the skills necessary to write reviews of contemporary literary, film, or dramatic performances; emphasizes critical writing and artistic appreciation and evaluation; includes exemplary and theoretical readings. Attendance at performances may be required. Prerequisite: ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105...**Restricted/Reserved for English Majors or Minors ...Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

ENGL 104 and 105 (with grade of "C" or higher), or ENGL 104 with <C> or higher WITH concurrent enrollment in ENGL 105.

ENGL 293: Teaching English in Secondary School

Students will be exposed to theoretical studies and practical application of a variety of approaches to the teaching of genre, writing, grammar, and language history at the secondary level. Course activities reflect the current emphasis on the use of technology in the classroom as well as on the role of the teacher as researcher. Requirements include the preparation of lesson plans, visits to classes in designated local secondary schools, and culminating written projects. Designed for juniors and seniors who will be student teaching. Prerequisites: Students must have completed at least 90 credits of course work (having passed first-year writing courses with a grade of C or better) **Restricted/ Reserved for English Majors or Minors ...**

Credits: 3

Prerequisites:

Prerequisites: Students must have completed at least 90 credits of course work (having passed first-year writing courses with a grade of C or better)

ENGL 295: Creative Writing Workshop

An advanced course that develops the student's creative writing abilities in a workshop setting. Portfolio submission required. Prerequisite: Completion of ENGL 127 with <C> or higher. **Required for English Majors with Creative Writing concentration; Satisfies an English Major/Minor elective**

Credits: 3

Prerequisites:

Completion of ENGL 127 with <C> or higher.

ENGL 296: Senior Thesis

Provides an opportunity for independent research; offers experience in writing a lengthy researched essay on a literary topic or creative work. *Satisfies an English major/minor requirement* *Note: English majors in the COAS Honors Program may substitute ENGL 296 for ENGL 092 (Directed Honors for Seniors) with approval from the Program Director.

Credits: 3

ENGL 297: Internship Practicum

Provides guidance and evaluation for students working in internships. Students will reflect on their work experiences in consultation with a faculty advisor. This course asks students to reflect on their work experiences and to develop a professional plan for their future careers. This course requires students to keep an active work log of at least 6 entries detailing their work experiences, and it requires a final reflection essay that addresses the internship's significance to the students' professional aspirations. Prerequisites: Students must have completed at least 90 credits of course work (having passed first-year writing courses with a grade of C or better) and must have secured an internship.

Credits: 3

Prerequisites:

Students must have completed at least 90 credits of course work (having passed first-year writing courses with a grade of C or better) and must have secured an internship.

ENGL 298: Concentration in Creative Writing Thesis

The course is the culmination of a student's Concentration in Creative Writing. The students will produce a complete manuscript of their creative work: approximately 50 pages of either poetry, fiction, creative non-fiction, or a hybrid mixed genre manuscript (inclusive of the prerequisite pages). Prerequisite: ENGL 295 and a portfolio of original creative work (25 pages). Required for English majors with the Creative Writing concentration

IMPORTANT NOTE: English majors declaring the Creative Writing concentration prior to Fall 2021, may substitute ENGL 296 (Senior Thesis) for ENGL 298, to satisfy this requirement

Credits: 3

ENGW 101: Rhetoric, Inquiry & Critical Writing

.This course fulfills the first semester writing course requirement for First-Year Writing. This course introduces students to rhetoric as a critical approach to writing, in addition to specific principles and conventions of expository writing. English Writing 101 stresses critical thinking, the exploration of ideas, and provides instruction in organization, grammatical correctness, and encourages discussion of contemporary issues through writing. **NOTE: Upon completion of this course students should register for ENGW 103.**

Successful completion of this First Year Writing course requires a grade of <C> or higher.

Credits: 3

ENGW 102: Expository Writing & Literacy Studies

The first course of the two-semester required writing course requirement for First-Year Writing. This course introduces students to rhetoric as a critical approach to writing, in addition to specific principles and conventions of expository writing. English Writing 102 stresses critical thinking, the exploration of ideas, and the development of voice in writing. Students will be expected to engage in discussion of contemporary issues through class discussion and their writing. **NOTE: Upon completion of this course students should register for ENGW 103.** Successful completion of this First Year Writing course requires a grade of <C> or higher

Credits: 3

ENGW 103: Persuasive Writing & Research

The second course of the two-semester required writing course requirement for First-Year Writing. This course builds on the study of rhetoric begun in ENGW 101 or 102, and introduces students to argumentation and persuasive writing techniques, in addition to the conventions of academic research. English Writing 103 stresses the examination of counter-arguments, the exploration of primary and secondary sources, and familiarity with academic style conventions. Students will be expected to engage in discussion of contemporary issues through class discussion and their writing. **Prerequisite: Successful completion of ENGW 101 or 102 with a grade of <C> or higher. Note: Successful completion of this First Year Writing course requires a grade of <C> or higher.**

Credits: 3

ENGW 104: Writing, Literacy & Discourse

The first course of the two-semester required writing course requirement for First-Year Writing with an emphasis on Writing Studies. This course introduces students to the field of Writing Studies, an area of study that focuses on the production, circulation, and values of academic and other forms of writing. English Writing 104 emphasizes examination of theories about writing, as well as a deep understanding of the writing process and certain forms of professional writing. Students will be expected to engage in discussion of contemporary issues and to develop a digital portfolio as a capstone project for the course. **NOTE: Upon completion of this course students should register for ENGW 105. NOTE: Successful completion of this First Year Writing course requires a grade of <C> or higher.**

Credits: 3

ENGW 105: Reflective Writing and Portfolios

This second course of a two-semester required writing course requirement for First-Year Writing. This course builds on the study of writing begun in ENGW 104 and introduces students to the habits of mind employed by season writers of all professions. Additionally, this course emphasizes the conventions of academic research and stresses the self-examination and the exploration of professional writing conventions as well as the philosophy of writing. Students will be expected to engage in discussion of contemporary issues through class discussion and to develop a digital portfolio as a capstone project for the course. **Prerequisite: Successful completion of ENGW 104 with a grade of <C> or higher. NOTE: Successful completion of this First Year Writing course requires a grade of <C> or higher.**

Credits: 3

History

HIST

COURSE DESCRIPTIONS

HIST 001: Introduction to the Study of Civilization I

The study of civilizations, their institutions and social processes. Open to freshmen. Divisional Studies B.

Credits: 3

HIST 002: Introduction to the Study of Civilization II

Continuation of HIST 001.

Credits: 3

HIST 003: Introduction to History

Course designed to introduce the beginning student to the skills and challenges involved in the disciplined study of the past. Mandatory for history majors and minors.

Credits: 3

HIST 005: Introduction to the Black Diaspora I

Surveys the African background and linkage of people of African descent who have inhabited areas of the world outside of Africa and compares their respective cultural, economic, political and social experiences and activities down to the ending of slavery in the Americas in the 19th century.

Credits: 3

HIST 006: Introduction to the Black Diaspora II

Continuation of HIST 005 from the late 19th century to the present.

Credits: 3

HIST 009: United States History to 1877

Presents the principal political, economic, social, and cultural developments in U.S. history from the American Revolution to the end of Reconstruction. Required of all history majors. Divisional Studies C.

Credits: 3

HIST 010: United States History Since 1877

Continuation of HIST 009. Required of all history majors. Divisional Studies C.

Credits: 3

HIST 011: Blacks in Latin America

Culture, history, politics, and identity of African Americans in Spanish and Lusophone Caribbean, South America, and Central America. Exploration of issues of identity in context of Afro/Latino migration to U.S.

Credits: 3

HIST 012: Public History, Memory, and Heritage of Slavery

Course provides an in-depth study and analysis of the institution of slavery as it developed in the United States. Particular focus will be placed on the institution from the perspective of the slaves themselves. Topics include the Atlantic Slave Trade, Origins of Slavery, Colonial Slave Systems, Proslavery Defense, Abolitionism, Slave Culture, Resistance, and Emancipation.

Credits: 3

HIST 013: American Military Experience to 1865

Examines the American military's evolution from its infancy through the end of the Civil War.

Credits: 3

HIST 014: American Military Experience since 1865

Examines the American military's evolution since 1865.

Credits: 3

HIST 015: Colloquium: Abolitionist Dissent in America and England

Explores the abolitionist movement and dissent in America and England and its impact on slavery and the slave trade.

Credits: 3

HIST 017: Slavery & Law

This course explores the interaction of law, race, and slavery in America, with an emphasis on the U.S. South.

Credits: 3

HIST 030: Introduction to African History I

Study of the origins and development of African societies from the earliest times to about 1800.

Credits: 3

HIST 031: Introduction to African History II

Continuation of HIST 030 to the present.

Credits: 3

HIST 032: Colloquium in European History

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 034: Colloquium: 19th Century US History

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 035: Colloquium: 20th Century US History

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 036: Colloquium in US Foreign Policy

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 037: Colloquium: Public History

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 040: Introduction to the History of Latin American and Caribbean I

A survey of Latin American and Caribbean history from Columbus to the present that addresses key historical issues: conquest, colonialism, independence, racial relations, dependency, economic development, urbanization, militarism, nationalism and relations with the United States.

Credits: 3

HIST 041: Introduction to the History of Latin America and Caribbean II

A continuation of HIST 040.

Credits: 3

HIST 042: Colloquium on Comparative Slavery

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 043: Colloquium on Music, Resistance, and the Black Diaspora

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 044: Colloquium in the Diaspora

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 047: Colloquium on the History of Brazil

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 048: Colloquium in African History

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 050: Introduction to European History I

European history from the close of the Napoleonic Wars to the turn of the century, a period in which Europe was at the height of its wealth and power. Particular attention will be paid to the major powers.

Credits: 3

HIST 051: Introduction to European History II

European history from the turn of the century through the two world wars. Particular attention will be paid to the major powers in this period when Europe declined from its preeminent position.

Credits: 3

HIST 056: Topics in European History

Specialized approaches to history per the course title. Topics will vary.

Credits: 3

HIST 070: Afro-American Film & Archives

Examines the history and theory of African American filmmaking, introducing central political and aesthetic debates by way of different cinematic eras, genres, and filmmakers. Focuses primarily on black directors and producers independent and commercial contexts as they confront popular representations of U.S. blackness in their own cinematic practice.

Credits: 3

HIST 071, 074, 075, 076: Topics in History

Specialized approaches to history per the course title. Topics will vary.

Credits: 3

HIST 072: Topics: Africans in Latin America

Specialized approaches to history per the course title. Topics will vary.

Credits: 3

HIST 073: Topics: 20th Century West Indies

Specialized approaches to history per the course title. Topics will vary.

Credits: 3

HIST 077: Topics in History

Specialized approaches to history per the course title. Topics will vary.

Credits: 3

HIST 081: Introduction to Historiography

Required course for history majors which introduces historical theory, methodology and practice.

Credits: 3

HIST 082: Senior Colloquium

Relates the information acquired by students in specific courses by applying the comparative approach to a variety of issues central to the discipline of history. (Required of all history majors.)

Credits: 3

HIST 084: Directed Readings for Sophomores (Honors Program Only)

Intensive readings of representative works in major fields of history.

Credits: 1

HIST 085: Directed Readings for Sophomores (Honors Program Only)

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

HIST 088: Directed Readings for Juniors (Honors Program Only)

Intensive readings of representative works in major fields of history.

Credits: 1

HIST 089: Directed Readings for Juniors (Honors Program Only)

Continuation of HIST 088.

Credits: 1

HIST 092: Senior Departmental Honors (Honors Program Only)

Requires a major research paper to be drawn from intensive readings on a specific problem or issue.

Credits: 3

HIST 093: Senior Departmental Honors (Honors Program Only)

Credits: 1

HIST 096: Internship in Public History

Supervised participation in an office or agency concerned with the development of public history. Designed for students preparing for careers in public history.

Credits: 3

HIST 097: Internship in History (online)

An internship is an intensive career-oriented work experience related to the student's academic studies, professional and educational goals. It is also an opportunity to gain practical experience in one's major field of study, apply knowledge gained in the classroom, and make useful contacts in a professional field. The experience is ideally unique to the student and must be supervised by a qualified supervisor. The student's participation will be virtual.

Credits: 3

HIST 101: World Geography

Provides a background to other intensive studies of the earth's regions, climate, soils, vegetation, population, and economic and political factors.

Credits: 3

HIST 102: Economic Geography

Analyzes the distribution of the world's economic activities, centers of primary production; and the geographic factors of transportation, trade, industry, and commerce.

Credits: 3

HIST 103: Historical Geography of North America

This course is designed to introduce the student to the history of North America from a geographic perspective.

Credits: 3

HIST 104: Historical Geography of Europe

This course is designed to introduce the student to the history of Europe from a geographic perspective.

Credits: 3

HIST 105: Political Geography

This course provides an overview of the field of political geography by introducing students to its key concepts and how these have shaped the development of this subdiscipline.

Credits: 3

HIST 107: Sustainable Cities

This course examines major challenges faced by urban areas around the world over time and the potential impact these challenges will have on their sustainability.

Credits: 3

HIST 108: The Supreme Court, Race, and Civil Rights

This course examines Supreme Court Decisions within the historical context of race and civil rights in the United States.

Credits: 3

HIST 109: United States Constitutional History to 1865

Examination of the origins and development of the federal Constitution within the framework of American political, social, economic, and intellectual developments.

Credits: 3

HIST 110: United States Constitutional History Since 1865

Study of the evolution and interpretation of the Constitution as influenced by political, social, economic, and intellectual developments since the Civil War.

Credits: 3

HIST 111: United States Foreign Relations to 1914

Exploration of the patterns and principles of American foreign relations as influenced by both domestic and international developments.

Credits: 3

HIST 112: United States Foreign Relations Since 1914

Treats the role of the United States as a world power and the socioeconomic and political forces and values underlying that role.

Credits: 3

HIST 119: History of the United States South to 1877

Depicts the emergence of the South as a distinctive region with special economic, political, and social interests.

Credits: 3

HIST 120: History of the United States South Since 1877

Explores the economic, social, and political aspects of the South and its relation to the nation after the Civil War.

Credits: 3

HIST 121: History of Colonial America

Deals with the factors and problems of colonial settlement; imperial control; and the social, economic, and political growth of the colonies.

Credits: 3

HIST 122: The American Revolution & Early National Period

Credits: 3

HIST 123: The Jacksonian Era, Reform, and Sectionalism

Treats the rise of nationalism, westward expansion, the changing economy, the emergence of sectionalism, and reform movements during the Jacksonian era.

Credits: 3

HIST 124: The Civil War and Reconstruction

Study of the causes, leaders, and military campaigns of the Civil War and social, economic, and political developments from 1850 to 1877.

Credits: 3

HIST 125: Politics, Industrialization, and Reform, 1877-1920

Study of populists, imperialism, progressives, and reform movements in general, with special emphasis on big business and politics and industrialism.

Credits: 3

HIST 126: The United States Since World War I

Examination of the changing American social, political, economic, and cultural scene, with special emphasis on the impact of the progressive tradition since World War I.

Credits: 3

HIST 127: U.S. Reform Movements

Examination of major social and political reforms in the United States to the present.

Credits: 3

HIST 128: History of Women in American Society to 1890

Analysis of the participation and changing status of women in American institutional and cultural life.

Credits: 3

HIST 129: History of Women in American Society Since 1890

Continuation of HIST 128.

Credits: 3

HIST 130: East Africa to 1800

Examines the civilizations of Ethiopia, the Sudan, and the coast of East Africa, along with inland population movements from ancient times to the end of the eighteenth century.

Credits: 3

HIST 131: East Africa Since 1800

Continuation of HIST 130 to the present.

Credits: 3

HIST 132: Central Africa to 1800

Study of the social, economic, and political development and institutions of the peoples of Central Africa.

Credits: 3

HIST 133: Central Africa Since 1800

Continuation of HIST 132.

Credits: 3

HIST 134: West Africa to 1800

Analysis of the West African states from ancient times to the end of the eighteenth century.

Credits: 3

HIST 135: West Africa Since 1800

Continuation of HIST 134 to the present.

Credits: 3

HIST 136: Southern Africa to 1910

Treats the social, economic, and political development and institutions of South Africa.

Credits: 3

HIST 137: Southern Africa Since 1910

Continuation of HIST 136.

Credits: 3

HIST 138: North Africa and the Maghreb to 1800

Study of the social, economic, and political development and institutions of North Africa.

Credits: 3

HIST 139: North Africa and the Maghreb Since 1800

Continuation of HIST 138.

Credits: 3

HIST 140: Caribbean History to 1838

Patterns of political and social changes in the Caribbean region, 1600-1838.

Credits: 3

HIST 141: Caribbean History Since 1838

Patterns of political and social changes in the Caribbean region, 1838 to present.

Credits: 3

HIST 142: Latin History to 1825

Study of the settlement, colonial institutions and society, and early 19th-century problems in Latin America and the Caribbean. Divisional Studies C.

Credits: 3

HIST 143: Latin History Since 1825

This course describes and analyzes broad trends in Latin American History since 1825.

Credits: 3

HIST 144: History of Mexico & Central America

Examines the history of Mexico and Central America Indian civilizations of the remote past to the social conflicts of the present.

Credits: 3

HIST 145: History of Brazil

Latin America's largest and most populous nation is the subject of this course. Themes include the evolution of Brazil's multiethnic society, the struggle for economic development, and the search for a viable political regime.

Credits: 3

HIST 146: Twentieth-Century Cuba

This course examines Cuba's social, economic, cultural, and political history.

Credits: 3

HIST 147: African American Women in U.S. History

Survey of the social, intellectual, economic, political, and cultural history of women in the U.S. from the colonial era to the present.

Credits: 3

HIST 148: African American Women in the U.S. History II

Analysis of the participation of women of African descent in American institutional and cultural life.

Credits: 3

HIST 149: District of Columbia History

Introduction to the major metropolitan questions, past and present, analyzing social and economic forces to physical changes. Selections from texts developed by scholarly and community-based literature.

Credits: 3

HIST 150: Europe to 1815

Concentrated study of the political, social, and economic development of the European states. Recommended for area majors or comparative history majors.

Credits: 3

HIST 151: Europe Since 1815

Continuation of HIST 150.

Credits: 3

HIST 152: Seminar on the African Diaspora

An instructor-led course, usually credit-bearing, with a small number of students collectively exploring the course topic.

Credits: 3

HIST 153: Seminar on United States History

Continuation of HIST 152 with emphasis on the Soviet Union.

Credits: 3

HIST 154: Seminar in European History

An instructor-led course, usually credit-bearing, with a small number of students collectively exploring the course topic.

Credits: 3

HIST 157: African Americans and the Civil War

Credits: 3

HIST 157: Seminar in Public History

An instructor-led course, usually credit-bearing, with a small number of students collectively exploring the course topic.

Credits: 3

HIST 158: Seminar in Latin America & the Caribbean

An instructor-led course, usually credit-bearing, with a small number of students collectively exploring the course topic.

Credits: 3

HIST 159: Seminar in African History

An instructor-led course, usually credit-bearing, with a small number of students collectively exploring the course topic.

Credits: 3

HIST 161: Seminar: Sex, Gender, & Power in Making the Atlantic World

An instructor-led course, usually credit-bearing, with a small number of students collectively exploring the course topic.

Credits: 3

HIST 164: African Economic History

Explores various factors influencing African economic behavior and development from earliest times to the present.

Credits: 3

HIST 165: Geography of North America

Examines the physical base and human occupancy of major geographic regions of the United States and Canada.

Credits: 3

HIST 167: Geography of South America

Discusses the principal regions of South America and the geographic aspects of current national and international questions.

Credits: 3

HIST 168: Geography of Europe

Discusses the principal regions of Europe and the geographic aspects of current national and international questions.

Credits: 3

HIST 169: Geography of Asia

Natural regions, their present economic development and potentialities.

Credits: 3

HIST 170: Global Warming

Examines the worldwide global warming phenomenon and its influence on the past, present, and future.

Credits: 3

HIST 171: Geography of Africa

Natural regions, physical and human resources of Africa south of the Sahara, economic development and political potentialities.

Credits: 3

HIST 176: AFRO American History to 1877

Brief survey of the African background and the social, cultural, economic, and political activity of the black people in the United States.

Credits: 3

HIST 177: AFRO American History Since 1877

Continuation of HIST 176.

Credits: 3

HIST 178: Colloquium: African Americans and the State

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 179: Colloquium: The Rights of Citizenship in American History

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 180: Seminar: Reparations & the Law

An instructor-led course, usually credit-bearing, with a small number of students collectively exploring the course topic.

Credits: 3

HIST 181: Human Rights History

Explores the history and definition of 'human rights' perspectives, advocacy, and interpretation within multiple contexts.

Credits: 3

HIST 182: From Slavery to Mass Incarceration

Explores the relationship between slavery and mass incarceration within the context of US history.

Credits: 3

HIST 183: Constitutional Law and Public Policy

This course surveys the history of both the U.S. Constitution and its relationship to construction of public policy.

Credits: 3

HIST 184: Early Modern Europe I

Covers the transition from medieval to modern Europe; the Italian Renaissance; development of the arts and sciences; exploration and discovery; the rise of Protestantism and the Catholic reaction; and the religious wars to 1648.

Credits: 3

HIST 185: Early Modern Europe II

Continuation of HIST 184.

Credits: 3

HIST 188: State & Empires of Pre-Colonial Africa

An examination of pre-colonial Africa. Focus on population and interaction, state formation, trade in sub-Saharan Africa, and on impact of external influences such as Christianity and Islam

Credits: 3

HIST 189: Public History

A survey of the rich variety of interrelated research activities which constitute the practice of public history. Particular attention given to African Americans' influence on the field.

Credits: 3

HIST 190: Public History and Public Policy

Study, analysis, and comparison of selected revolutionary and liberation movements.

Credits: 3

HIST 191: Public History, Memory, and Heritage of Slavery

Continuation of HIST 190.

Credits: 3

HIST 192: Islam in Africa

Emphasizes the diffusion of Islam in Africa and significance of Islam in African societies.

Credits: 3

HIST 193: History of Pan-Africanism

Analyses of the origin and significance of Pan-Africanism in the United States, the Caribbean and Latin America.

Credits: 3

HIST 195: Race Relations in Latin America and the Caribbean

Introduction to the broad conception of nationalism, politics and revolution in Latin America and the Caribbean.

Credits: 3

HIST 196: Geography of Trade and Transportation

Geographic determinants of international trade; commercial land, water, and air transportation of world export and import commodities.

Credits: 3

HIST 199: Geography of the Black Diaspora

This course explores the Black Diaspora through a geographic lens by focusing on how place and region shaped the experiences and analysis of Black people as a global racial community/construct.

Credits: 3

HIST 700: Introduction to the Black Diaspora II, Writing

A writing intensive course surveying the African Diaspora from the late nineteenth century to the present. Cannot be taken with HIST 006.

Credits: 3

HIST 702: Russia Since 1917, Writing

A writing intensive course emphasizing the Soviet Union. This course also examines the break up of the Soviet empire.

Credits: 3

HIST 703: US History to 1877 - Writing/Online

Examines the growth of the United States, emphasizing major interpretative problems in America's social, economic, political and cultural experience through 1877. Demonstrating advanced writing skills is an integral part of this upper level course.

Credits: 3

HIST 704: African American History Since 1877, Writing

A writing intensive course surveying African American social, cultural, economic and political activity.

Credits: 3

HIST 705: United States History Since 1877, Writing

A writing intensive course presenting the principal political, economic, social, and cultural developments in the United States from the end of Reconstruction to the present.

Credits: 3

HIST 745: Colloquium in History of Brazil (Writing Course)

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 3

HIST 747: African American Women - US History, Online

An historical examination of black women's experiences in U.S. from antebellum era to present.

Credits: 3

HIST 750: Modern Europe to 1815 - Writing

This course offers a broad survey of modern European history, from the end of the Thirty Years' War to the aftermath of World War II. Demonstrating advanced writing skills is an integral part of this upper level course.

Credits: 3

Allied Health Education

AHCC

AHCC 003: Medical Terminology

This course incorporates Medical Language for Modern Health Care that uses Contextual Learning Theory to introduce medical terminology within a healthcare environment. The information presented introduces and defines terminology through the context of A & P, pathology, and clinical and diagnostic procedures/tests. The course offers contextual content, a Word Analysis and Definition Table, and exercises all in one place. Word Analysis and Definition Tables provide a color-coded guide to word parts and combining forms, as well as definitions and pronunciations. With unfolding patient case studies and documentation, students are introduced to various roles in the healthcare environment, illustrating the real-life application of medical terminology in modern health care while facilitating active learning.

Credits: 2

Prerequisites:

AHCC 110 registration

AHCC 110: General Orientation

General introduction to Majors in Allied Health.

Credits: 2

AHCC 201: Community Health

Community Health Nursing emphasizes care of the client/client system utilizing community health services in a variety of home and agency settings. The student is introduced to professional aspects of nursing in the community including historical developments and nursing practice, legal and ethical issues, strategies, and tools for promoting health, nursing care of at-risk aggregates across the life span, and issues and concerns in community health nursing

Credits: 3

AHCC 202: Computer for Allied Health Professions

This course is designed to offer computer literacy and management for allied health profession in the Division of Allied Health Sciences, College of Nursing and Allied Health Sciences. It familiarizes students with basic computer tutorial and information technology as adapted for use of medical health electronic record management such as laptops, PDAs, IPODs including Blackboard and McGraw-Hill Online computer system and basic computer tutorial in collaboration with the Center for Excellence in Teaching, Learning, & Assessment [CETLA]. The multimedia presentations online and classrooms settings will enhance the management of skills related to state-of-the-art medical and health services data management.

Credits: 3

Prerequisites:

Registration in the Divisions of Nursing and Allied Health Sciences.

AHCC 203: Child Health Issues

This d course will utilize a socio-ecological approach to provide students with a solid understanding of biological, psychosocial, environmental, cultural, political and other determinants of child and adolescent health.

Credits: 3

AHCC 301: Ethics for Health Profession

Provides students with foundational knowledge and skills in responsible professional behavior that will enable them to competently reflect upon, address and resolve the ethical and socio-cultural issues that students will confront during their training and professional practice.

Credits: 2

AHCC 375: Geriatrics for Allied Health Professions

This course is designed for students in Allied Health Professions. It covers two consecutive modules in geriatrics and long term care theories and practices. It will provide knowledge about aging process, medical care, as well as long term care management of the American Health Care delivery services. The course will emphasize the demographic changes and determinants life-styles. It will increase the students' knowledge of the health care continuum of aging and long term care. It also emphasizes health promotion strategies, promotes critical thinking, problem solving through the use of case studies, and gives students a solid background in understanding long-term care.

Credits: 2

Prerequisites:

Registration in the Divisions of Nursing and Allied Health Sciences.

Mathematics

MATH

COURSE DESCRIPTIONS

MATH 005 : College Algebra I WR

An intensive college algebra course that emphasizes manipulative algebra, solutions of equations and inequalities, and graphs and analysis of linear, quadratic, exponential and logarithmic functions. Three lecture hours and two recitation hours per week. **Equivalent to Math 006**

Credits: 4

MATH 006: College Algebra I

An intensive college algebra course that emphasizes manipulative algebra, solutions of equations and inequalities, and certain elementary functions. **Equivalent to Math 005.**

Credits: 3

Prerequisites:

Satisfactory score on mathematics placement examination.

MATH 007: Precalculus

Exponential and logarithmic functions; trigonometry, and systems of equations. Students planning to take 156 should take this course. It is not intended for those students planning to take 026; they should take 010 instead.

Credits: 4

Prerequisites:

006, or satisfactory score on the Mathematics Placement Examination.

MATH 009: Introduction to Statistics

A first course in statistics that may be followed by more specialized statistics courses offered by other departments of the University. Not intended for students who have taken calculus; students with a calculus background should take 189.

Credits: 4

Prerequisites:

MATH 006, or satisfactory score on the Mathematics Placement Examination.

MATH 010: College Algebra II

Exponential and logarithmic functions; matrix theory, combinatorics, and probability. Students planning to take 026 should take this course. It is not intended for students planning to take 156, who should, instead, follow 006 with 007.

Credits: 4

Prerequisites:

MATH 006, or satisfactory score on the Mathematics Placement Examination.

MATH 012: Patterns in Mathematics

Introduction to the art, nature and applications of mathematics. Emphasis is placed on mathematical patterns occurring in real life situations. The course is not intended for students planning to take any Calculus course

Credits: 3

Prerequisites:

MATH 006, or satisfactory score on the Mathematics Placement Examination.

MATH 020: Fundamental Concepts of Mathematics for Education I

Fundamental concepts of mathematics needed by elementary school teachers.

Credits: 3

Prerequisites:

MATH 006, or satisfactory score on the Mathematics Placement Examination.

MATH 026: Applied Calculus

Limits; differentiation; integration; introduction to differential equations; and functions of several variables. .
Prerequisite MATH 007 or 010 or outstanding score on Mathematics Placement Examination.

Credits: 4

MATH 084-085: Directed Readings in Honors for Sophomores

This set of courses (084, 085, 088, 089, 092, 093) is designed for students in the honor's program, and is designed to help students writing an honor's thesis. Others may take the courses with consent of the instructor.

Credits: 1

MATH 088-089: Directed Readings in Honors for Juniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

MATH 092-093: Senior Departmental Honors

Focuses on topics related to participation in the Honors Program.

Credits: 3

MATH 101: Proof and Problem Seminar I

This course and 102 are designed to help mathematics majors make the transition from the Calculus sequence to more advanced and abstract courses, and is to be taken early when a student declares a major. The topics are sets, relations, functions, proofs by induction and contradiction, complex numbers, and binomial coefficients. Corequisite: MATH 156.

Credits: 1

MATH 102: Proof and Problem Seminar II

A continuation of 101. The topics of 101 are reinforced by going more deeply into one of number theory, dynamics, probability, graph theory, or modeling.

Credits: 1

Prerequisites:

101. Coreq: 157.

MATH 150: Modern Geometry

Deductive reasoning through the study of selected topics from Euclidean and non-Euclidean geometrics.

Credits: 3

Prerequisites:

157.

MATH 156: Calculus I

Limits, continuity, and the derivative and integral of functions of one variable, with applications.

Credits: 4

Prerequisites:

007 or outstanding score on Mathematics Placement Examination.

MATH 157: Calculus II

Continuation of 156, including more integration, sequences, series, Taylor's theorem, improper integrals, and L'Hospital's rule.

Credits: 4

Prerequisites:

156.

MATH 158: Calculus III

Continuation of 157, including calculus of functions of several variables, with applications.

Credits: 4

Prerequisites:

157.

MATH 159: Differential Equations

Elementary techniques of ordinary differential equations, including slope fields, equilibria, separation of variables, linear differential equations, homogeneous differential equations, undetermined coefficients, bifurcations, power series, Laplace transforms, systems, and numerical methods.

Credits: 4

Prerequisites:

157.

MATH 160: Advanced Calculus for Science and Engineering

Vector calculus in several dimensions. Generalizations of the fundamental theorem of calculus. Stokes theorem divergence theorem. Inverse and implicit functions theorems.

Credits: 3

Prerequisites:

158.

MATH 161, 162: Seminar

Offered on demand; seminars in various topics in mathematics.

Credits: 1-3

MATH 164: Introduction to Numerical Analysis

Treats numerical integration and numerical solution of differential equations; numerical linear algebra, matrix inversion, characteristic values; error propagation; and stability.

Credits: 3

Prerequisites:

159 and SYCS 135.

MATH 165, 166: Directed Readings.

Readings under a faculty member whose approval is required for admission to course.

Credits: 1-3

MATH 168: Actuarial Science Laboratory I

Systematic methods and approaches for rapid and accurate solutions of problems arising in elementary algebra, calculus, and analysis.

Credits: 1

Prerequisites:

Consent of instructor or 158.

MATH 169: Actuarial Science Laboratory II

Continuation of 168 with the problems to be solved coming from mathematical statistics.

Credits: 1

Prerequisites:

Consent of instructor or 190.

MATH 180: Introduction to Linear Algebra

Vector Spaces, linear transformations, the Gram-Schmidt process, determinants, eigenvectors and eigenvalues, diagonalization and applications.

Credits: 3

Prerequisites:

MATH 157

MATH 181: Discrete Structures

Algebraic structures applicable to computer science; semigroups, graphs, lattices, Boolean algebras, and combinatorics.

Credits: 3

Prerequisites:

157.

MATH 183: Intermediate Differential Equations

Initial value problems, existence and uniqueness of solutions, properties of solutions boundary value problems, Sturm-Liouville systems, and orthogonal expansions.

Credits: 3

Prerequisites:

159 and 180.

MATH 184: Introduction to Number Theory

Elements theory of algebraic number theory.

Credits: 3

Prerequisites:

197.

MATH 185: Introduction to Complex Variables

Complex numbers and their geometry, plane topology, limits, continuity, differentiation, Cauchy-Riemann equations, analytic functions, series, Cauchy theorems, contour integration, and residue theory.

Credits: 3

Prerequisites:

195.

MATH 186: Introduction to Differential Geometry

Calculus in Euclidean space, vector fields, geometry of surfaces, and curves.

Credits: 3

Prerequisites:

158 and 180.

MATH 187: Introduction to Algebraic Topology

Complexes, homology, surface topology, and the classical groups.

Credits: 3

Prerequisites:

197 and 199.

MATH 189: Probability and Statistics I

Samples spaces, random variables, distributions, expectation, independence, law of large numbers. Prerequisite: 158.

Credits: 3

MATH 190: Probability and Statistics II

Continuation of 189. Includes estimation, order statistics, sufficient statistics, test of hypotheses, and analysis of variance.

Credits: 3

Prerequisites:

189.

MATH 191: Foundations of Applied Mathematics

Introduction to the concepts and methods of applied mathematics, including gravitational motion, calculus of variations, Lagrange's and Hamilton's equations; approximation techniques, partial differential equations, Fourier series, and Fourier integrals.

Credits: 3

Prerequisites:

159.

MATH 192: Topics in Applied Mathematics

Topics are selected from the following areas: combinatorics, computer science, control theory, fluid dynamics, game theory, information theory, mathematical biology, and statistical mechanics.

Credits: 3

Prerequisites:

MATH 191 or permission of instructor.

MATH 193: Actuarial Science Seminar

Treats life contingency, or the theory of interest, or other applications of mathematics to actuarial science as required.

Credits: 3

Prerequisites:

190.

MATH 194: Introduction to Set Theory

Axiomatic foundations; relations and functions; ordered and well-ordered sets; ordinals and cardinals and axiom of choice with its equivalents.

Credits: 3

Prerequisites:

195.

MATH 195: Introduction to Analysis I

Set theory, logic, real and complex numbers, introductory topology, and continuous function. Required for mathematics majors.

Credits: 3

Prerequisites:

157.

MATH 196: Introduction to Analysis II

Sequences; series; limits; continuity; uniform continuity and convergence; differentiation and integration of functions of one variable.

Credits: 3

Prerequisites:

195.

MATH 197: Introduction to Modern Algebra I

Groups, rings, fields and homomorphisms.

Credits: 3

Prerequisites:

180.

MATH 198: Introduction to Modern Algebra II

Continuation of 197, including isomorphism theorems, Cayley's theorem, the Sylow theorems, p-groups, abelian groups, unique factorization domains, and Galois theory.

Credits: 3

Prerequisites:

197.

MATH 199: Introduction to General Topology

Topological spaces; relative topology; and subspaces, finite product spaces; quotient spaces; continuous and topological maps; compactness; connectedness; and separation axioms.

Credits: 3

Prerequisites:

157 and 195.

MATH 795: Introduction to Analysis. Writing across the curriculum.

See 195. This version of the course fulfills an undergraduate writing requirement.

Credits: 4

Accompanying for Ensemble

MUSY

MUSY 111, 112: Accompanying for Ensemble

ea. Provides experience in preparation and public performance as an accompanist for varied ensembles.

Credits: 1

MUSY 121, 122: Accompanying for Ensemble

ea. Continuation of 448-111, 112.

Credits: 1

MUSY 131, 132: Accompanying for Ensemble

ea. Continuation of MUSY -121, 122

Credits: 1

Prerequisites:

MUSY -121, 122, or consent of instructor.

MUSY 141, 142: Accompanying for Ensemble

ea. Continuation of MUSY 131, 132

Credits: 1

Prerequisites:

MUSY 131, 132, or consent of instructor.

Bassoon

MUTT

MUTT 100: Bassoon Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUTT 111, 112: Bassoon Minor

Consists of major and minor scales and arpeggios, tone production, and etudes and solos in all styles.

Credits: 2

MUTT 121, 122: Bassoon Minor

Continuation of MUTT 111, 112

Credits: 2

Prerequisites:

MUTT 111, 112, or consent of instructor.

MUTT 131, 132: Bassoon Minor

Continuation of MUTT 121, 122

Credits: 2

Prerequisites:

MUTT 121, 122, or consent of instructor.

MUTT 141, 142: Bassoon Minor

Continuation of MUTT 131, 132, with preparation for senior recital

Credits: 2

Prerequisites:

MUTT 131, 132, or consent of instructor.

MUTT 211, 212: Bassoon Major

Instruction in major and minor scales and arpeggi, along with etudes and solos in all styles.

Credits: 4

MUTT 221, 222: Bassoon Major

Continuation of MUTT 211, 212, with preparation for qualifying recital

Credits: 4

Prerequisites:

MUTT 211, 212, or consent of instructor.

MUTT 231, 232: Bassoon Major

Continuation of MUTT 221, 222

Credits: 4

Prerequisites:

MUTT 221, 222, or consent of instructor.

MUTT 241, 242: Bassoon Major

Continuation of MUTT 231, 232, with preparation for senior recital

Credits: 4

Prerequisites:

MUTT 231, 232, or consent of instructor.

Brass Ensemble

MUTE

MUTE 111, 112: Brass Ensemble

ea. Ensemble that performs contemporary and standard brass music, with emphasis given to sight reading, interpretation, and musicianship.

Credits: 1

MUTE 121, 122: Brass Ensemble

ea. Continuation of MUTE 111, 112

Credits: 1

Prerequisites:

MUTE 111, 112, or consent of instructor.

MUTE 131, 132: Brass Ensemble

ea. Continuation of MUTE 121, 122

Credits: 1

Prerequisites:

MUTE 121, 122, or consent of instructor.

MUTE 141, 142: Brass Ensemble

ea. Continuation of MUTE 131, 132

Credits: 1

Prerequisites:

MUTE 131, 132, or consent of instructor.

Clarinet

MUTS

MUTS 041: Clarinet Minor VII

Consists of major and minor scales and arpeggios, tone production, and etudes and solos in all styles.

Credits: 2

MUTS 231, 232: Clarinet Major

Continuation of MUTS 221, 222

Credits: 4

Prerequisites:

MUTS 221, 222 or consent of instructor.

MUTS 241, 242: Clarinet Major

Continuation of MUTS 231, 232, with preparation for senior recital

Credits: 4

Prerequisites:

MUTS 231, 232.

Fine Arts Guitar

MUTP

MUTP 012: Fine Arts Guitar Lab

ea. Group instruction for non-music majors in music fundamentals, basic playing and teaching techniques, and repertoire of popular and classical music.

Credits: 1

MUTP 100: Blacks in the Arts

Provides students with general knowledge and understanding of the contributions of African-American artists and the interrelationship of their achievements with the world of art and culture. Students will profit from the integrated discussion and demonstration of three types of artistic expression: music, theatre, and visual art.

Credits: 3

Flute

MUSP

MUSP 100: Flute Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUSP 111, 112: Flute Minor

Includes all minor and major scales and arpeggios, along with suitable studies and solos.

Credits: 2

MUSP 121, 122: Flute Minor

Continuation MUSP 111, 112

Credits: 2

Prerequisites:

MUSP 111, 112 or consent of instructor.

MUSP 131, 132: Flute Minor

Continuation of MUSP 121, 122, with more advanced studies and solos

Credits: 2

Prerequisites:

MUSP 121, 122 or consent of instructor.

MUSP 141, 142: Flute Minor

Continuation of MUSP 131, 132, with preparation for graduating recital

Credits: 2

Prerequisites:

MUSP 131, 132 or consent of instructor.

MUSP 211, 212: Flute Major

Instruction in major and minor scales and arpeggios, along with etudes and solos in all styles.

Credits: 4

MUSP 221, 222: Flute Major

Continuation of MUSP 211, 212. Preparation for qualifying recital

Credits: 4

Prerequisites:

MUSP 211, 212 or consent of instructor.

MUSP 231, 232: Flute Major

Continuation of MUSP 221, 222

Credits: 4

Prerequisites:

MUSP 221, 222 or consent of instructor.

MUSP 241, 242: Flute Major

Continuation of MUSP 231, 232 with preparation for senior recital

Credits: 4

Prerequisites:

MUSP 231, 232, or consent of instructor.

French Horn

MUST

MUST 100: French Horn Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUST 111, 112: French Horn Minor

Includes major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

Credits: 2

MUST 121, 122: French Horn Minor

Continuation of MUST 111, 112

Credits: 2

Prerequisites:

MUST 111, 112, or consent of instructor.

MUST 131, 132: French Horn Minor

Continuation of MUST 121, 122

Credits: 2

Prerequisites:

MUSP, 121, 122, or consent of instructor.

MUST 141, 142: French Horn Minor

Continuation of MUST 131, 132, with preparation for senior recital

Credits: 2

Prerequisites:

MUST 131, 132, or consent of instructor.

MUST 211, 212: French Horn Major

Includes major and minor scales and arpeggi, along with etudes and solos in all styles.

Credits: 4

MUST 221, 222: French Horn Major

Continuation of MUST 211, 212, with preparation for qualifying recital

Credits: 4

Prerequisites:

MUST 211, 212, or consent of instructor.

MUST 231, 232: French Horn Major

Continuation of MUST 221, 222

Credits: 4

Prerequisites:

MUST, 221, 222, or consent of instructor.

MUST 241, 242: French Horn Major

Continuation of MUST 231, 232, with preparation for senior recital

Credits: 4

Prerequisites:

MUST 231, 232, or consent of instructor.

Fundamentals

MUSB

COURSE DESCRIPTIONS

MUSB 001: Fundamentals of Music

Study of notation, simple rhythms, intervals, scales, and dictation of melodies.

Credits: 0

MUSB 002: Introduction to Theory (non-music majors)

Study of scales, notation, simple rhythms, intervals.

Credits: 3

MUSB 003 (I), 004 (II): Elementary Ear Training and Sight Singing

Development of music reading skills, with emphasis on melodic, rhythmic, and harmonic dictation, and music literature. Coreq: MUSB 021, 022.

Credits: 2

MUSB 011 (I), 012 (II): Advanced Ear Training and Sight Singing

Advanced music reading, emphasizing contemporary literature, and melodic-rhythmic-harmonic dictation. Coreq.: MUSB 041, 042.

Credits: 2

MUSB 016/116: Keyboard Harmony

016: harmonization, transposition, and improvisation at the keyboard; 116: advanced harmonization, and keyboard improvisation and score reading.

Credits: 2

MUSB 021 (I), 022 (II): Elementary Harmony, (I, II)

Presents basic principles of diatonic harmony through melodic harmonizations, creative writing, and analysis. Coreq.: MUSB 003, 004.

Credits: 3

MUSB 025: Survey of Harmony (Non-Majors)

Spring. A compressed course covering diatonic and chromatic tonal harmony, 20th century harmonic languages, and popular music harmonic styles. Emphasis placed on developing analytical skills, especially for Musical Theatre majors.

Credits: 3

Prerequisites:

MUSB 021.

MUSB 041 (I), 042 (II): Advanced Harmony, (I, II)

Study of chromatic harmony and melody through harmonization, creative writing, and analysis, along with an introduction to twentieth-century techniques

Credits: 3

Prerequisites:

MUSB 021, MUSB 022. Coreq.: MUSB 011, 012.

MUSB 043: Counterpoint

Introduction to the study of voice leading via the species approach.

Credits: 3

Prerequisites:

MUSB 042.

MUSB 085: Sophomore Junior Honors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

MUSB 089: Direct Reading Honors Jr.

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

MUSB 093: Senior Honors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

MUSB 103: Orchestration

Instrumentation and scoring for large and small ensembles

Credits: 3

Prerequisites:

MUSB 042, MUSD 013, MUSD 015, MUSM 017, and MUSM 019.

MUSB 104: Advanced Orchestration

Instrumentation and scoring for band and smaller ensembles, including jazz and pop idioms

Credits: 3

Prerequisites:

MUSB 103.

MUSB 124: Form and Analysis

Composite course in linear, harmonic, and formal analysis.

Credits: 3

Prerequisites:

MUSB 042.

MUSB 125: Analysis

Continuation of MUSB 124 for Composition majors.

Credits: 3

Prerequisites:

MUSB 124 or consent of instructor.

MUSB 151, 152: Composition

Consists of writing in small forms for simple instrumental combinations.

Credits: 3

Prerequisites:

MUSB 042.

MUSB 153, 154: Composition

Continuation and intensification of MUSB 152

Credits: 3

Prerequisites:

MUSB 151, 152.

MUSB 207: Individual Research

Directed by a member of the faculty. Students may receive credit for this course twice.

Credits: 3

Prerequisites:

Permission of faculty member.

Guitar

MUSO

MUSO 100: Guitar Instruction

Private lessons to non-music major. Permission of instructor required. Course can be repeated.

Credits: 1

MUSO 105: Non-Major Guitar Class

ea. Group instruction for non-music majors in music fundamentals, basic playing techniques, and repertoire of popular and classical music.

Credits: 1

Prerequisites:

Student must supply own guitar.

MUSO 111, 112: Guitar Minor

Open position major and minor scales, arpeggi, and chords; slurs and left hand development exercises; etudes and solos in various styles.

Credits: 2

MUSO 121, 122: Guitar Minor

Continuation of MUSO 111, 112 with moveable altered scales, arpeggi, and chord forms

Credits: 2

Prerequisites:

MUSO 111, 112 or consent of instructor.

MUSO 131, 132: Guitar Minor

Continuation of MUSO 121, 122

Credits: 2

Prerequisites:

MUSO 121, 122, or consent of instructor.

MUSO 141, 142: Guitar Minor

Continuation of MUSO 131, 132 with preparation for graduating recital

Credits: 2

Prerequisites:

MUSO 131, 132 or permission of instructor.

MUSO 211, 212: Guitar Major

Scales, arpeggios, and chord forms; slurs and left hand development exercises; etudes and solos in various styles.

Credits: 4

MUSO 221, 222: Guitar Major

Continuation of MUSO 211, 212 with addition of ensemble works utilizing accompaniment techniques and preparation for qualifying recital

Credits: 4

Prerequisites:

MUSO 211, 212 or consent of instructor.

MUSO 231, 232: Guitar Major

Continuation of MUSO 221, 222 with addition of mixed ensemble works in which guitar is featured

Credits: 4

Prerequisites:

MUSO 221, 222 or consent of instructor.

MUSO 241, 242: Guitar Major

Continuation of MUSO 231, 232 with addition of a guitar concerto and preparation for the senior recital

Credits: 4

Prerequisites:

MUSO 231, 232 or consent of instructor.

Guitar Ensemble

MUTF

MUTF 111, 112: Guitar Ensemble

ea. Composing, arranging, sight-reading, and performing guitar ensemble music.

Credits: 1

Prerequisites:

consent of instructor.

MUTF 121, 122: Guitar Ensemble

ea. Continuation of MUTF 111, 112.

Credits: 1

Prerequisites:

MUTF 111, 112 or consent of instructor.

MUTF 131, 132: Guitar Ensemble

ea. Continuation of MUTF 121, 122

Credits: 1

Prerequisites:

MUTF 121, 122 or consent of instructor.

MUTF 141, 142: Guitar Ensemble

ea. Continuation of MUTF 131, 132

Credits: 1

Prerequisites:

MUTF- 131, 132 or consent of instructor.

Harp

MUTR

MUTR 100: Harp Instruction. Private lessons for non-music majors

Permission of coordinator/instructor.

Credits: 1

MUTR 111, 112: Harp Minor

Consists of major and minor scales and arpeggios, tonal production, and etudes and solos in all styles.

Credits: 2

MUTR 121, 122: Harp Minor

Continuation of MUTR 111, 112

Credits: 2

Prerequisites:

MUTR 111, 121, or consent of instructor.

MUTR 131, 135: Harp Minor

Continuation of MUTR 121, 122

Credits: 2

Prerequisites:

MUTR 121, 122, or consent of instructor.

MUTR 141, 142: Harp Minor

Continuation of MUTR 131, 132. Preparation for senior recital

Credits: 2

Prerequisites:

MUTR 131, 132, or consent of instructor.

Instrument Repair

MUSK

MUSK 011, 012: Instrument Repair

ea. Teaches basic skills of instrument repair.

Credits: 1

MUSK 021, 022: Instrument Repair

ea. Continuation of MUSK 011, 012

Credits: 1

Prerequisites:

MUSK 011, 012, or consent of instructor.

MUSK 031, 032: Instrument Repair

ea. Continuation of MUSK 021, 022

Credits: 1

Prerequisites:

MUSK 021, 022, or consent of instructor.

MUSK 041, 042: Instrument Repair

ea. Continuation of MUSK 031, 032

Credits: 1

Prerequisites:

MUSK 031, 032, or consent of instructor.

MUSK 111, 112: Piano Technology: Lecture and Practicum

ea. Analysis of the acoustical construction of the piano and mechanical functions, with concentration on maintenance and repair.

Credits: 1

Prerequisites:

Junior classification.

MUSK 121, 122: Piano Technology: Lecture and Practicum

ea. Continuation of MUSK 111, 112.

Credits: 1

Prerequisites:

MUSK 112.

Instrumental

MUSD

MUSD 005: Instrumental Survey

Knowledge, care, history and function of band and orchestral instruments. Spring semester only.

Credits: 3

MUSD 006: Music Education Guitar Class

Group instruction in basic technique along with an introduction to repertory. Required of all Music Education majors.

Credits: 1

MUSD 007: Marching Band Technique

Provides guidelines for administration and supervision; explores a variety of rehearsal and performance techniques for marching band in an educational setting. Spring semester only.

Credits: 3

MUSD 013: Woodwind Instruments I

Class instruction in the basic playing and teaching techniques of flute and clarinet.

Credits: 1

MUSD 014: Woodwind Instruments II

Class instruction in the basic playing and teaching of oboe and bassoon techniques.

Credits: 1

Prerequisites:

MUSD 013 or consent of instructor.

MUSD 015: String Instruments I

Class instruction in the basic playing, teaching techniques of the violin and viola.

Credits: 1

MUSD 016: String Instruments II

Class instruction in the basic playing, teaching techniques of the violoncello and string bass.

Credits: 1

Prerequisites:

MUSD 015 or consent of instructor.

MUSD 017: Brass Instruments I

Class instruction in the history, function, and basic playing techniques of the instruments in the brass family. Spring semester only.

Credits: 2

MUSD 019: Percussion Instruments

Class instruction in the history, function, and basic playing, teaching techniques of the various percussion instruments.

Credits: 1

MUSD 051: Elementary Choral Conducting

Fundamental techniques of choral conducting, basic principles of interpretation and style, and rehearsal techniques. Fall semester only.

Credits: 3

MUSD 052: Advanced Choral Conducting

Advanced techniques of choral conducting, style and interpretation, and survey of choral literature and major composers.

Credits: 3

Prerequisites:

MUSD 051 or consent of instructor. Spring semester only.

MUSD 053: Music in the Elementary School

Application of child development principles to music teaching on the elementary level.

Credits: 3

Prerequisites:

Consent of instructor. Fall semester only.

MUSD 054: Music in the Secondary Schools

Application of adolescent and educational psychology principles to teaching music on the secondary level

Credits: 3

Prerequisites:

Education 145-005, 145-029; Theory MUSB 116, MUSB 016, MUSB 042; Music Literature MUSC 008; and Music Education MUSD 053 for all except Instrumental Minors. Spring semester only.

MUSD 057: Teaching and Supervision of Instrumental Music

Organization and administration of instrumental music in the schools in addition to laboratory experience with university bands

Credits: 3

Prerequisites:

MUSD 013, 015, 016, 017, 018, 019, 054.

MUSD 058: Instrumental Conducting

Chamber, orchestral, and band music, rehearsal techniques, special problems, and literature for secondary schools

Credits: 3

Prerequisites:

Instrumental Minor and MUSD 051.

MUSD 120, 121: Contemporary Trends in Music Education

Modular courses in current approaches to music, teaching and learning. Required of all Music Education majors.

Credits: 0

MUSD 145-135: Student Teaching

Observation, seminars, and supervised teaching in accredited elementary and secondary schools

Credits: 9

Prerequisites:

Senior standing, completion of requirements with a cumulative 2.70 average in Music Education and Education and approved application form.

MUSD 150: Independent Study in Music Education

Individual projects approved by Music Education faculty and an assigned instructor.

Credits: 3

MUSD 258: Foundations of Music Education

Orientation for students considering music teaching as a career. Course will survey the history of music education and inclusion in the public schools while including the philosophic, political, and social foundations of teaching music in the public schools.

Credits: 3

Literature

MUSC

MUSC 005: Music Literature to 1600

Examines concepts, definitions, musical literature, trends, performance practices, and composers from antiquity to 1600.

Credits: 3

MUSC 006: Music Literature of the Baroque and Classical Periods

Study of symphony, chamber music, opera, and other forms from 1600 to 1830.

Credits: 3

Prerequisites:

MUSC 005.

MUSC 007: Music Literature of the Nineteenth and Twentieth Centuries

Analyzes styles, composers, and techniques from 1830 to the present.

Credits: 3

Prerequisites:

MUSC 006.

MUSC 008: African and Afro-American Music Literature

Explores traditional African music and American music influenced by the African idiom.

Credits: 3

Prerequisites:

MUSC 007.

MUSC 009: Intro. to Ethnomusicology

This course aims to introduce students to the history, theories and practices of the discipline and current literature that have shaped the field of ethnomusicology.

Credits: 3

MUSC 100: Introduction to Music

Introduces students to the styles and aesthetics of western music, as well as to foster an enthusiasm for listening to music. Since music can be enjoyed emotionally and intellectually, this course will enable each student to develop an aesthetic awareness of various musical genres from periods ranging from the medieval to contemporary.

Credits: 3

MUSC 101: Music Literature of the Eighteenth Century

Examines changes from baroque to classical ideals, including the works of Bach, Handel, Haydn, Mozart, and Beethoven.

Credits: 3

Prerequisites:

MUSC 008.

MUSC 102: Music Literature of the Nineteenth Century

Study of romanticism, beginning with the mature Beethoven.

Credits: 3

Prerequisites:

MUSC 008.

MUSC 103: The Symphony

Presents the origins and development of the symphony and related forms, including an intensive study of scores.

Credits: 3

Prerequisites:

MUSC 007.

MUSC 104: Chamber Music

Deals with string quartet literature and its antecedents, along with other chamber music forms from Haydn to Bartok.

Credits: 3

Prerequisites:

MUSC 008.

MUSC 105: Choral Music

Treats the emergence and growth of choral music and such related forms as the chanson and madrigal, with emphasis on the Afro-American contribution.

Credits: 3

Prerequisites:

MUSC 008.

MUSC 106: Dramatic Music

Covers such dramatic forms in music as the cantata, passion, oratorio, opera, and musical theater.

Credits: 3

Prerequisites:

MUSC 008.

MUSC 110: Global Popular Music

This course is designed to introduce students to a wide range of popular music from around the world and to explore basic research practices of ethnomusicology and popular music scholarship.

Credits: 3

MUSC 125: Introduction to African Music

Presents African life and culture with music as a focal point. No previous music training required.

Credits: 3

MUSC 155: Style Criteria

Examines styles, composition techniques, and performance standards of Western music from the seventeenth to the twentieth centuries.

Credits: 3

Prerequisites:

MUSC 008.

MUSC 156: Music Literature of the Twentieth Century

Treats techniques and trends from 1900 to the present, with special lectures and demonstrations by Composition faculty members.

Credits: 3

Prerequisites:

MUSC 008.

MUSC 161, 162: Senior Seminar

Research projects assigned to seniors. Each student must complete one research project on an Afro-American subject.

Credits: 3

MUSC 204: Chamber Music

Deals with string quartet literature and its antecedents, along with other chamber music forms from Haydn to Bartok. (Graduate).

Credits: 3

MUSC 207: Individual Research

Directed by a member of the faculty. Students may receive credit for this course twice.

Credits: 3

Prerequisites:

Permission of faculty member.

MUSC 221, 222: Vocal Literature

Study of music for solo voice from its beginnings to present, with consideration of literature for the voice teacher.

Credits: 3

Prerequisites:

MUSC 008.

Marching Band

MUTH

MUTH 011, 012: Marching Band

ea. Performance of music for athletic contests and half-time shows at football games, various parades, pep rallies, etc. Membership open to all Howard University students.

Credits: 1

MUTH 021, 022: Marching Band

ea. Continuation of MUTH 011, 012

Credits: 1

Prerequisites:

MUTH 011, 012, or consent of instructor.

MUTH 031, 032: Marching Band

ea. Continuation of MUTH 021, 022

Credits: 1

Prerequisites:

MUTH 021, 022, or consent of instructor.

MUTH 041, 042: Marching Band

ea. Continuation of MUTH 031, 032

Credits: 1

Prerequisites:

MUTH 031, 032, or consent of instructor.

MUTH 111, 112: Concert Band

ea. Includes the analytical study and stylistic performance of the literature for conducted wind ensembles of all sizes.

Credits: 1

MUTH 121, 122: Concert Band

ea. Continuation of MUTH 111, 112

Credits: 1

Prerequisites:

MUTH 111, 112, or consent of instructor.

MUTH 131, 132: Concert Band

ea. Continuation of MUTH 121, 122

Credits: 1

Prerequisites:

MUTH 121, 122, or consent of instructor.

MUTH 141, 142: Concert Band

ea. Continuation of MUTH 131, 132

Credits: 1

Prerequisites:

MUTH 131, 132, or consent of instructor.

Oboe

MUTU

MUTU 100: Oboe Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUTU 101: Oboe Instruction II

Continuation of MUTU 100.

Credits: 1

MUTU 111, 112: Oboe Minor

Consists of major and minor scales and arpeggios, tone production, and etudes and solos in all styles.

Credits: 2

MUTU 121, 122: Oboe Minor

Continuation of MUTU 111, 112

Credits: 2

Prerequisites:

MUTU 111, 112 or consent of instructor.

MUTU 131, 132: Oboe Minor

Continuation of MUTU 121, 122

Credits: 2

Prerequisites:

MUTU 121, 122 or consent of instructor.

MUTU 141, 142: Oboe Minor

Continuation of MUTU 131, 132, with preparation for senior recital

Credits: 2

Prerequisites:

MUTU 131, 132 or consent of instructor.

MUTU 211, 212: Oboe Major

Includes major and minor scales and arpeggios, along with etudes and solos in all styles.

Credits: 4

MUTU 221, 222: Oboe Major

Continuation of MUTU 211, 212, with preparation for qualifying recital

Credits: 4

Prerequisites:

MUTU 211, 212 or consent of instructor.

MUTU 231, 232: Oboe Major

Continuation of MUTU 221, 222

Credits: 4

Prerequisites:

MUTU 221, 222 or consent of instructor.

Orchestra

MUTJ

MUTJ 021, 022: Orchestra

ea. Continuation of MUTJ 011, 012

Credits: 1

Prerequisites:

MUTJ 011, 012, or consent of instructor.

MUTJ 031, 032: Orchestra

ea. Continuation of MUTJ 021, 022

Credits: 1

Prerequisites:

MUTJ 021, 022, or consent of instructor.

MUTJ 041, 042: Orchestra

ea. Continuation of MUTJ 031, 032

Credits: 1

Prerequisites:

MUTJ 031, 032, or consent of instructor.

Percussion Ensemble

MUSX

MUSX 011, 012: Percussion Ensemble

ea. Consists of reading and performance of literature for percussion.

Credits: 1

MUSX 021, 022: Percussion Ensemble

ea. Continuation of MUSX 011, 012

Credits: 1

Prerequisites:

MUSX 011, 012, or consent of instructor.

MUSX 031, 032: Percussion Ensemble

ea. Continuation of MUSX 021, 022

Credits: 1

Prerequisites:

MUSX 021, 022, or consent of instructor.

MUSX 041, 042: Percussion Ensemble

ea. Continuation of MUSX 031, 032

Credits: 1

Prerequisites:

MUSX 031, 032, or consent of instructor.

Percussion Major

MUSW

MUSW 100: Percussion Instruction

Private lessons to non-music major. Permission of coordinator/instructor required.

Credits: 1

MUSW 111, 112: Percussion Minor

Instruction in major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

Credits: 2

MUSW 121, 122: Percussion Minor

Continuation of MUSW 111, 112

Credits: 2

Prerequisites:

MUSW 111, 112, or consent of instructor.

MUSW 131, 132: Percussion Minor

Continuation of MUSW 121, 122

Credits: 2

Prerequisites:

MUSW 121, 122, or consent of instructor.

MUSW 141, 142: Percussion Minor

Continuation of MUSW 131, 132, with preparation for senior recital

Credits: 2

Prerequisites:

MUSW 131, 132, or consent of instructor.

MUSW 151, 152: Percussion Minor

Continuation of MUSW 141, 142

Credits: 2

Prerequisites:

MUSW 141, 142 or consent of instructor.

MUSW 211, 212: Percussion Major

Includes major and minor scales and arpeggi, along with etudes and solos in all styles.

Credits: 4

MUSW 221, 222: Percussion Major

Continuation of MUSW 211, 212, with preparation for qualifying recital

Credits: 4

Prerequisites:

MUSW 211, 212, or consent of instructor.

MUSW 231, 232: Percussion Major

Continuation of MUSW 221, 222

Credits: 4

Prerequisites:

MUSW 221, 222, or consent of instructor.

MUSW 241, 242: Percussion Major

Continuation of MUSW 231, 232, with preparation for senior recital

Credits: 4

Prerequisites:

MUSW 231, 232, or consent of instructor.

Piano

MUSE

MUSE 011, 012: Functional Piano

ea. Scales, chords, arpeggios, transposition, and harmonization for students with minimal background in piano.

Credits: 1

MUSE 021, 022: Functional Piano

ea. Continuation of MUSE 011, 012. Preparation for the proficiency examination

Credits: 1

Prerequisites:

MUSE 011, 012, or consent of instructor.

MUSE 031, 032: Functional Piano

ea. Continuation of MUSE 021, 022. Preparation for the proficiency examination

Credits: 1

Prerequisites:

MUSE 021, 022.

MUSE 041, 042: Functional Piano

ea. Continuation of MUSE 031, 032. Preparation for the Proficiency Exam. Prereqs. MUSE 031,032.

Credits: 1

MUSE 100 and 101: Beginning Piano for Non-Music Majors

ea. Class lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUSE 102 and 103: Beginning Piano for Non-Music Majors

ea. Class lessons for non-music majors.

Credits: 1

Prerequisites:

Permission of instructor or MUSE 100, 111. Course can be repeated.

MUSE 111, 112: Piano Minor

Study of the basic principles of piano playing, including scales, arpeggios, easy etudes, and Bach.

Credits: 2

MUSE 121, 122: Piano Minor

Includes scales, arpeggios (four octaves), Bach's "Little Preludes," sonatinas, and selected compositions from the Romantic and Modern eras. Prereqs. MUSE 111, 112, or consent of instructor.

Credits: 2

MUSE 131, 132: Piano Minor

Continuation of technical work with Czerny's Opus 299; Bach's Two-Part Inventions, and Haydn's sonatas.

Prereqs. MUSE 121, 122, or consent of instructor.

Credits: 2

MUSE 141, 142: Piano Minor

Expansion of technical work, including Bach's WTC, sonatas of Mozart and Haydn, and selected Romantic and Contemporary works. Recital required

Credits: 2

Prerequisites:

MUSE 131, 132, or consent of instructor.

MUSE 151, 152: Piano Minor

Further expansion of technical work, including Bach's WTC sonatas, Romantic and Modern compositions.

Recital required

Credits: 2

Prerequisites:

MUSE 141, 142.

MUSE 153, 154: Vocal Accompanying

Provides technical and practical experience in the art of accompanying.

Credits: 2

MUSE 157, 158: Piano Pedagogy

Instruction in teaching piano at all levels, with lecture, discussion, and demonstration.

Credits: 2

MUSE 171: Piano Literature

A survey of solo keyboard works, English Virginalists to Beethoven, performance, stylistic analysis.

Credits: 2

MUSE 172: Piano Literature

A survey of solo keyboard works, Schubert to present, performance, stylistic analysis.

Credits: 2

MUSE 211, 212: Piano Major

Scales and arpeggios (four octaves), Czerny's Opus 299, Bach's Two- and Three-Part Inventions; Haydn's and Mozart's sonatas, and Romantic works.

Credits: 4

MUSE 221, 222: Piano Major

Scales, Czerny, Cramer studies, Bach's WTC, and sonatas. Qualifying Recital

Credits: 4

Prerequisites:

MUSE 211, 212, or consent of instructor.

MUSE 231, 232: Piano Major

Continuation of technical and repertory work, with a technical examination

Credits: 4

Prerequisites:

MUSE 221, 222, or consent of instructor.

MUSE 241, 242: Piano Major

Continuation of MUSE 231, 232. Public graduation recital

Credits: 4

Prerequisites:

MUSE 241, 242, or consent of instructor.

Piano Trio

MUSZ

MUSZ 111, 112: Piano Trio

ea. Includes chamber music for piano and other instruments.

Credits: 1

MUSZ 121, 122: Piano Trio (Ens) II

Focuses on advanced harmonic and rhythmic studies for the pianist and the rhythm section. Various styles included. Rhythmic comping and the use of rhythmic motif displacement as a comping and soloing technique in various styles. ea. Continuation of MUSZ 111, 112

Credits: 1

Prerequisites:

MUSZ 111, 112, or consent of instructor.

MUSZ 131, 132: Piano Trio

ea. Continuation of MUSZ 121, 122

Credits: 1

Prerequisites:

MUSZ 121, 122, or consent of instructor.

MUSZ 141, 142: Piano Trio

ea. Continuation of MUSZ- of 131, 132

Credits: 1

Prerequisites:

MUSZ 131, 132, or consent of instructor.

MUSZ 211, 212: Chamber Ensemble

ea. Chamber music playing for applied music majors.

Credits: 1

MUSZ 221, 222: Chamber Ensemble

ea. Advanced chamber music playing for applied music majors

Credits: 1

Prerequisites:

MUSZ 211, 212, or consent of instructor.

MUSZ 322: Piano Trio (Ens.) II

Credits: 1

Saxophone

MUSQ

MUSQ 100: Saxophone Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUSQ 111, 112: Saxophone Minor

Includes major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

Credits: 2

MUSQ 121, 122: Saxophone Minor

Continuation of MUSQ 111, 112

Credits: 2

Prerequisites:

MUSQ 111, 112, or consent of instructor.

MUSQ 131, 132: Saxophone Minor

Continuation of MUSQ 121, 122

Credits: 2

Prerequisites:

MUSQ 121, 122, or consent of instructor.

MUSQ 141, 142: Saxophone Minor

Continuation of MUSQ 131, 132, with preparation for senior recital

Credits: 2

Prerequisites:

MUSQ 131, 132, or consent of instructor.

MUSQ 211, 212: Saxophone Major

Includes major and minor scales and arpeggi, along with etudes and solos in all styles.

Credits: 4

MUSQ 221, 222: Saxophone Major

Continuation of MUSQ 211, 212, with preparation for qualifying recital

Credits: 4

Prerequisites:

MUSQ 211, 212, or consent of instructor.

MUSQ 231, 232: Saxophone Major

Continuation of MUSQ 221, 222

Credits: 4

Prerequisites:

MUSQ 221, 222, or consent of instructor.

MUSQ 241, 242: Saxophone Major

Continuation of MUSQ 231, 232, with preparation for senior recital

Credits: 4

Prerequisites:

MUSQ 231, 232, or consent of instructor.

Saxophone Ensemble

MUTD

MUTD 111, 112: Saxophone Ensemble

ea. Ensemble that performs contemporary literature for the saxophone and transcribed literature.

Credits: 1

MUTD 121, 122: Saxophone Ensemble

ea. Continuation of MUTD 111, 112

Credits: 1

Prerequisites:

MUTD 111, 112, or consent of instructor.

MUTD 131, 132: Saxophone Ensemble

ea. Continuation of MUTD 121, 122

Credits: 1

Prerequisites:

MUTD 121, 122, or consent of instructor.

MUTD 141, 142: Saxophone Ensemble

ea. Continuation of MUTD 131, 132

Credits: 1

Prerequisites:

MUTD 131, 132, or consent of instructor.

Jazz

MUSH

MUSB 116: Keyboard Harmony

Advanced harmonization, and keyboard improvisation and score reading.

MUSH 011, 012: Jazz Improvisation I

Techniques of improvisation, melodic and harmonic analysis, analysis of improvisational styles through recorded example, demonstration of improvisational skills through performance, and transcription of recorded solos.

Credits: 2

MUSH 012: Improvisation II

Techniques of improvisation, melodic and harmonic analysis, analysis of improvisational styles through recorded example, demonstration of improvisational skills through performance, and transcription of recorded solos.

Credits: 2

MUSH 021, 022: Jazz Improvisation II

Continuation of MUSH 011, 012

Credits: 2

Prerequisites:

MUSH 011, 012, or consent of instructor.

MUSH 022: Jazz Improvisation III

Jazz Improvisation III, IV. 2 crs. ea. Continuation of MUSH-011, 012.

Credits: 2

Prerequisites:

MUSH-011, 012, or consent of instructor.

MUSH 031, 032: Jazz Improvisation III

Continuation of MUSH 021,022

Credits: 2

Prerequisites:

MUSH 021, 022, or consent of instructor.

MUSH 032: Improvisation VI

Jazz Improvisation V, VI. 2 crs. ea. Continuation of MUSH-021,022.

Credits: 2

Prerequisites:

MUSH-021, 022, or consent of instructor.

MUSH 041, 042: Jazz Improvisation IV

Continuation of MUSH 031, 032

Credits: 2

Prerequisites:

MUSH 031, 032, or consent of instructor.

MUSH 051: Set Drumming Workshop

Development of reading skills, jazz drumming techniques, through solo and ensemble playing.

Credits: 1

MUSH 080: Jazz Theory

The meaning of melodic and harmonic notation in jazz is explained; also, the underlying structural principles employed in the jazz composition are revealed.

Credits: 3

MUSH 111: Jazz Arranging I

Exploration and analysis of representative jazz arrangements, demonstrating basic techniques of arranging.

Credits: 3

MUSH 130: Jazz Piano

Comprehensive course for advanced pianists encompassing varied jazz styles and techniques.

Credits: 2

MUSH 131: Jazz Piano

Continuation of MUSH 130 dealing with advanced jazz piano techniques.

Credits: 2

Prerequisites:

MUSH 130.

MUSH 140: Jazz Piano

Continuation of MUSH 131 dealing with advanced jazz piano techniques.

Credits: 2

Prerequisites:

MUSH 130, 131.

MUSH 141: Jazz Piano

Continuation of MUSH 140 dealing with advanced jazz piano techniques

Credits: 2

Prerequisites:

MUSH 130, 131, and 140.

MUSH 151, 152, 153: Jazz Vocal Workshop

Development of jazz solo and group performance skills, including improvisation, sight reading, repertoire and contemporary vocal technique.

Credits: 1

MUSH 161 through 168: Voice for Jazz Studies

Techniques of breathing, tone development, and vocal styles as they relate to the jazz idiom; development of the standard jazz repertoire. Audition required.

Credits: 2

MUTX 111: Jazz Piano Minor I

Comprehensive course for advanced pianists encompassing varied jazz styles and techniques. Audition required.

Credits: 2

MUTX 112: Jazz Piano Minor IV

Comprehensive course for advanced pianists encompassing varied jazz styles and techniques. Audition required.

Credits: 2

MUTX 131: Jazz Piano Minor V

Continuation of MUTX-122 dealing with advanced jazz piano techniques.

Credits: 2

Prerequisites:

MUTX-121, 122.

String Bass

MUSN

MUSN 100: String Bass Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUSN 101: String Bass Instruction II

A continuation of MUSN 100.

Credits: 1

MUSN 111, 112: String Bass Minor

Covers Simandl's Book 1; Marcello's Sonata in D Minor; The Progressive Bowing Variations; The Melodious Bass; Bowing Variations; and three Beethoven symphonies.

Credits: 2

MUSN 121, 122: String Bass Minor

Includes Bille Nos. 263 and 264, Nanny Vingt Quartre Pieces, and orchestra studies

Credits: 2

Prerequisites:

MUSN 111, 112, or consent of instructor.

MUSN 131, 132: String Bass Minor

Treats Bille Nos. 262 and 303, Handel's Sonata in G Minor, orchestra studies, and Galliard's Sonata in F Major

Credits: 2

Prerequisites:

MUSN 121, 122, or consent of instructor.

MUSN 141, 142: String Bass Minor

Instruction in Bille No. 303; Nanny's Kreutzer Etudes; Koussevitzky's Chanson Triste and Valse Miniature, orchestra studies, and recital preparation

Credits: 2

Prerequisites:

MUSN 131, 132, or consent of instructor.

MUSN 211, 212: String Bass Major

Deals with major and minor scales and arpeggios, along with etudes and solos in all styles.

Credits: 4

MUSN 221, 222: String Bass Major

Continuation of MUSN 211, and 212

Credits: 4

Prerequisites:

MUSN 211, 212, or consent of instructor.

MUSN 231, 232: String Bass Major

Continuation of MUSN 221, 222

Credits: 4

Prerequisites:

MUSN 221, 222, or consent of instructor.

MUSN 241, 242: String Bass Major

Continuation of MUSN 231, 232

Credits: 4

Prerequisites:

MUSN 231, 232, or consent of instructor.

Jazz Ensemble

MUTI

MUTI 011, 012: Jazz Ensemble

ea. Deals with Big Band Jazz; composing, arranging, performing, and recordings. Auditions required.

Credits: 1

MUTI 021, 022: Jazz Ensemble

ea. Continuation of MUTI 011, 012

Credits: 1

Prerequisites:

MUTI 011, 012, or consent of instructor.

MUTI 031, 032: Jazz Ensemble

ea. Continuation of MUTI 021, 022

Credits: 1

Prerequisites:

MUTI 021, 022, or consent of instructor.

MUTI 041, 042: Jazz Ensemble

ea. Continuation of MUTI 031, 032

Credits: 1

Prerequisites:

MUTI 031, 032, or consent of instructor.

MUTI 051, 052: Jazz Ensemble

A continuation of MUTI 041 and 042

Credits: 1

MUTI 111: Jazz Workshop

Small ensemble and experimental projects in jazz performance.

Credits: 1

Prerequisites:

Consent of instructor. Auditions required

String Ensemble

MUTB

MUTB 111, 112: String Ensemble

ea. Ensemble for the study and performance of string literature.

Credits: 1

MUTB 121, 122: String Ensemble

ea. Continuation of MUTB 111, 112

Credits: 1

Prerequisites:

MUTB 111, 112, or consent of instructor.

MUTB 131, 132: String Ensemble

ea. Continuation of MUTB 121, 122

Credits: 1

Prerequisites:

MUTB 121, 122, or consent of instructor.

MUTB 141, 142: String Ensemble

ea. Continuation of MUTB 131, 132

Credits: 1

Prerequisites:

MUTB 131, 132, or consent of instructor.

Student Recital

MUTO

MUTO 011: Student Recital

Performances by students which afford them the opportunity to perform before their peers and others; exposes students to a large variety of musical literature.

Credits: 0

MUTO 012: Student Recital

Continuation of MUTO 011.

Credits: 0

MUTO 021: Student Recital

Continuation of MUTO 012.

Credits: 0

MUTO 022: Student Recital

Continuation of MUTO 021.

Credits: 0

MUTO 031: Student Recital

Continuation of MUTO 022.

Credits: 0

MUTO 032: Student Recital

Continuation of MUTO 031.

Credits: 0

MUTO 041: Student Recital

Continuation of MUTO 032.

Credits: 0

MUTO 042: Student Recital

Continuation of MUTO 041.

Credits: 0

MUTO 111: Qualifying Recital

Performances by students which afford them the opportunity to perform before their peers and others; exposes students to a large variety of musical literature.

Credits: 0

MUTO 112: Senior Recital

Performances by students which afford them the opportunity to perform before their peers and others; exposes students to a large variety of musical literature.

Credits: 0

Music Therapy

MUSJ

MUSJ 101: Music Therapy I

A study of the history of the profession of Music Therapy, and an examination of the philosophy and principles of Music. Therapy Practice in mental health, hospital, and medical and school delivery system with adults and Children. FALL

Credits: 3

MUSJ 102: Music Therapy II

A study of the music therapist in the clinical setting, with an emphasis on the client/therapist relationship. Includes an examination of major theories of psychotherapy and their relationship to music therapy practice. Includes group musical tasks and experimental music to encourage students to begin a personal examination of music and its effect upon their own lives. CLINICAL PRACTICUM IS REQUIRED

Credits: 3

Prerequisites:

MUSJ 101, MUSJ 105, or permission of instructor. SPRING/FALL

MUSJ 103: Practicum II

A continuation of MUSJ 111. A course in which the primary goal is to enhance the student's previously acquired knowledge and abilities by applying them within a professional setting. The practicum is completed under the direction of the faculty in conjunction with a site supervisor.

Credits: 0

MUSJ 105: Clinical Orientation

Initial clinical experience involving group participation and observation of methods and techniques employed in therapeutic settings; accompanied by seminar. Prereqs. MUSJ 101, admission to MT degree program, or permission of instructor. SPRING

Credits: 2

MUSJ 107, 108: Guitar Techniques for Music Therapy

Advanced guitar instruction and study of repertoire with emphasis on adaptive techniques for special populations. Prereqs. MUSJ 101, 2 semesters of MUSO 100.

Credits: 2

MUSJ 110: Methods and Techniques in Music Therapy

Experimental overview of techniques used in musical therapy treatment in group and individual therapy employing vocal and instrumental techniques. CLINICAL PRACTICUM IS REQUIRED. Prereqs. MUSJ 101, admission to MT program or permission of instructor. SPRING

Credits: 2

MUSJ 111: Practicum I

A course in which the primary goal is to enhance the student's previously acquired knowledge and abilities by applying them within a professional setting. The practicum is completed under the direction of the faculty in conjunction with a site supervisor.

Credits: 0

MUSJ 115: Influence of Music on Behavior

An examination of humankind's behavioral, emotional and physical response to music; study of applicable music therapy interventions (GIM, etc.) IINCLUDES CLINICAL PRACTICUM

Credits: 3

Prerequisites:

MUSJ 101, MUSJ 102, MUSJ 105, admission to MT program or permission of instructor. FALL

MUSJ 120: Psychology of Music

A study of the acoustical and psychological aspects of music and related literature. SPRING/FALL

Credits: 3

MUSJ 121: Senior Practicum

Clinical experience with emphasis on independent planning for individual and group sessions

Credits: 2

Prerequisites:

MUSJ 101, MUSJ 102, MUSJ 105, MUSJ 110, MUSJ 115. SPRING

MUSJ 135: Music Therapy Internship

A 6-12 month period of clinical training in a music therapy program (approved by the American Music Therapy Association) under the direct supervision of a music therapist. Prereqs. All music department requirements and all music therapy curriculum courses. SPRING/FALL

Credits: 1

Trombone

MUSU

MUSU 100: Trombone Instruction

Private lessons to non-music major. Permission of coordinator/instructor required.

Credits: 1

MUSU 111, 112: Trombone Minor

Includes major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

Credits: 2

MUSU 121, 122: Trombone Minor

Continuation of MUSU 111, 112

Credits: 2

Prerequisites:

MUSU 111, 112, or consent of instructor.

MUSU 131, 132: Trombone Minor

Continuation of MUSU 121, 122

Credits: 2

Prerequisites:

MUSU 121, 122, or consent of instructor.

MUSU 141, 142: Trombone Minor

Continuation of MUSU 131, 132, with preparation for senior recital

Credits: 2

Prerequisites:

MUSU 131, 132, or consent of instructor.

MUSU 211, 212: Trombone Major

Instruction in major and minor scales and arpeggi, along with etudes and solos in all styles.

Credits: 4

MUSU 221, 222: Trombone Major

Continuation of MUSU 211, 221

Credits: 4

Prerequisites:

MUSU 211, 212, or consent of instructor.

MUSU 231, 232: Trombone Major

Continuation of MUSU 221, 222

Credits: 4

Prerequisites:

MUSU 221, 222, or consent of instructor.

MUSU 241, 242: Trombone Major

Continuation of MUSU 231, 232, with preparation for senior recital

Credits: 4

Prerequisites:

MUSU 231, 232, or consent of instructor.

Organ

MUSF

MUSF 100: Organ Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUSF 111, 112: Organ Minor

Study of Peeters' The Little Organ Book, Johnson's Organ Method, and manual and pedal exercises.

Credits: 2

MUSF 121, 122: Organ Minor

Consists of moderately difficult works by Bach, Mendelssohn, and Brahms; contemporary works; service playing; improvisation; and pedal studies, scales and exercises

Credits: 2

Prerequisites:

MUSF 111, 112, or consent of instructor.

MUSF 131, 132: Organ Minor

Bach's Chorale Preludes, Toccata and Fugue in D Minor, Dorian Toccata, and Prelude and Fugue in A Minor, with service playing and improvisation

Credits: 2

Prerequisites:

MUSF 121, 122, or consent of instructor.

MUSF 141, 142: Organ Minor

Continuation of MUSF 131, 132, provides preparation of senior recital

Credits: 2

Prerequisites:

MUSF 131, 132, or consent of instructor.

MUSF 153: Service Playing

Literature for church and community use; hymns, responses, preludes, voluntaries, and postludes; accompaniments; modulation; and improvisation.

Credits: 2

MUSF 211, 212: Organ Major

Bach's Chorale Preludes for Manuals, Orgelbuchlein (Nos. 27, 44, 37, and 12), Eight Little Preludes, and Fugues (A Minor, F Major, G Minor, and B flat Major), along with easy compositions by contemporary composers, hymn playing, and technique.

Credits: 4

MUSF 221, 222: Organ Major

Selected preludes, Fantasia and Fugue C Minor, selections from Orgelbuchlein, Brahms' Chorale Preludes, and Franck's larger works. Qualifying recital

Credits: 4

Prerequisites:

MUSF 211, 212, or consent of instructor.

MUSF 231, 232: Organ Major

Bach's Chorale Preludes, Toccata and Fugue in D Minor, Dorian Toccata, Prelude and Fugue in A Minor, and Trio Sonata 1; Franck's Piece Heroique, Prelude, Fugue, and Variation; and Mendelssohn's Second Sonata; along with selected contemporary works. Service playing and improvisation

Credits: 4

Prerequisites:

MUSF 221, 222, or consent of instructor.

MUSF 241, 242: Organ Major

Selected works from Bach, Mendelssohn, Franck, and the symphonies of Widor and Vierne; and selected compositions by Alain, Messiaen, Langlais, Fax, Kerr, and others

Credits: 4

Prerequisites:

MUSF 241, 242, or consent of instructor.

Trumpet

MUSS

MUSS 100: Trumpet Instructio

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUSS 111, 112: Trumpet Minor

Instruction in major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

Credits: 2

MUSS 121, 122: Trumpet Minor

Continuation of MUSS 111, 112

Credits: 2

Prerequisites:

MUSS 111, 112, or consent of instructor.

MUSS 131, 132: Trumpet Minor

Continuation of MUSS 121, 122

Credits: 2

Prerequisites:

MUSS 121, 122, or consent of instructor.

MUSS 141, 142: Trumpet Minor

Continuation of MUSS 131, 132, with preparation for senior recital

Credits: 2

Prerequisites:

MUSS 131, 132, or consent of instructor.

MUSS 211, 212: Trumpet Major

Includes major and minor scales and arpeggi, along with etudes and solos in all styles.

Credits: 4

MUSS 221, 222: Trumpet Major

Continuation of MUSS 211, 212, with preparation for qualifying recital

Credits: 4

Prerequisites:

MUSS 211, 212 or consent of instructor.

MUSS 231, 232: Trumpet Major

Continuation of MUSS 221, 222

Credits: 4

Prerequisites:

MUSS 221, 222, or consent of instructor.

MUSS 241, 242: Trumpet Major

Continuation of MUSS 231, 232, with preparation for senior recital

Credits: 4

Prerequisites:

MUSS 231, 232, or consent of instructor.

Tuba

MUSV

MUSV 100: Tuba Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Instruction in major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

Credits: 1

MUSV 111, 112: Tuba Minor

Instruction in major.

Credits: 2

MUSV 121, 122: Tuba Minor

Continuation of MUSV 111, 112

Credits: 2

Prerequisites:

MUSV 111, 112, or consent of instructor.

MUSV 131, 132: Tuba Minor

Continuation of MUSV 121, 122

Credits: 2

Prerequisites:

MUSV 121, 122, or consent of instructor.

MUSV 141, 142: Tuba Minor

Continuation of MUSV 131, 132, with preparation for senior recital

Credits: 2

Prerequisites:

MUSV 131, 132, or consent of instructor.

MUSV 211, 212: Tuba Major

Consists of major and minor scales and arpeggi, along with etudes and solos in all styles.

Credits: 4

MUSV 221, 222: Tuba Major

Continuation of MUSV 211, 212, with preparation for qualifying recital

Credits: 4

Prerequisites:

MUSV 211, 212, or consent of instructor.

MUSV 231, 232: Tuba Major

Continuation of MUSV 221, 222.

Credits: 4

Prerequisites:

MUSV 221, 222, or consent of instructor.

MUSV 241, 242: Tuba Major

Continuation of MUSV 231, 232, with preparation for senior recital

Credits: 4

Prerequisites:

MUSV 231, 232, or consent of instructor.

Piano Technology

MUSL

MUSL 100: Violin Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUSL 101: Violin Instruction II

Credits: 1

MUSL 102: Violin Instruction III

Credits: 1

MUSL 103: Violin Instruction IV

Credits: 1

MUSL 111, 112: Violin Minor

Instruction in major and minor scales and arpeggios in three octaves, solo repertoire comparable to Kreutzer's 42 Etudes, Sevcik's Opus 9, and concerti by Seitz and Accolay.

Credits: 2

MUSL 121, 122: Violin Minor

Instruction in scales and arpeggios continued from MUSL 111, 112, and etudes, compositions, concerti, and sonatas

Credits: 2

Prerequisites:

MUSL 111, 112, or consent of instructor.

MUSL 131, 132: Violin Minor

Continuation of MUSL 122

Credits: 2

Prerequisites:

MUSL-MUSP, consent of instructor.

MUSL 141, 142: Violin Minor

Continuation of MUSL 132, including preparation for senior recital

Credits: 2

Prerequisites:

MUSL 131, 132, or consent of instructor.

MUSL 211, 212: Violin Major

Includes scales, arpeggios, double-stopping, bow technique and suitable studies and compositions from early and contemporary areas.

Credits: 4

MUSL 221, 222: Violin Major

Continuation of MUSL 211, 212, with preparation for qualifying recital

Credits: 4

Prerequisites:

MUSL 211, 212, or consent of instructor.

MUSL 231, 232: Violin Major

Includes techniques, etudes, sonatas, compositions, and concerti

Credits: 4

Prerequisites:

221, 222, or consent of instructor.

MUSL 241, 242: Violin Major

Consists of technique; review and continuation of previous material; study of etudes, sonatas, and concerti; and preparation of senior recital

Credits: 4

Prerequisites:

MUSS, MUST, or consent of instructor.

University Choir

MUTL

MUTL 011, 012: University Choir

ea. Performing vocal ensemble open to all Howard University students. Auditions and appropriate concert and service attire required.

Credits: 1

MUTL 021, 022: University Choir

Performing vocal ensemble open to all Howard University students, Auditions and appropriate concert and service attire required.

Credits: 1

Prerequisites:

MUTL 011, 012, or consent of instructor.

MUTL 031, 032: University Choir

Performing vocal ensemble open to all Howard University students, Auditions and appropriate concert and service attire required.

Credits: 1

Prerequisites:

MUTL 021, 022, or consent of instructor.

MUTL 041, 042: University Choir

Continuation of MUTL 031, 032. Performing vocal ensemble open to all Howard University students, Auditions and appropriate concert and service attire required.

Credits: 1

Prerequisites:

MUTL 031, 032, or consent of instructor.

University Chorale

MUTM

MUTM 011, 012: University Chorale

ea. Consists of a predominantly a capella group, that performs more difficult literature. Audition required.

Credits: 1

MUTM 021, 022: University Chorale

ea. Continuation of MUTM 011, 012

Credits: 1

Prerequisites:

MUTM 011, 012, or consent of instructor.

MUTM 031, 032: University Chorale

ea. Continuation of MUTM 021, 022

Credits: 1

Prerequisites:

MUTM 021, 022, or consent of instructor.

MUTM 041, 042: University Chorale

ea. Continuation of MUTM 031, 032

Credits: 1

Prerequisites:

MUTM 031, 032, or consent of instructor.

University Collegium

MUTN

MUTN 011, 012: University Collegium

ea. Select group that specializes in the performance of the small Renaissance and Baroque vocal forms. Auditions required.

Credits: 1

MUTN 021, 022: University Collegium

ea. Continuation of MUTN 011, 012

Credits: 1

Prerequisites:

MUTN 011, 012 or consent of instructor.

MUTN 031, 032: University Collegium

ea. Continuation of MUTN 021, 022

Credits: 1

Prerequisites:

MUTN 021, 022, or consent of instructor.

MUTN 041, 042: University Collegium

ea. Continuation of MUTN 031, 032

Credits: 1

Prerequisites:

MUTN 031, 032, or consent of instructor.

Viola

MUTQ

MUTQ 100: Viola Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUTQ 101, 102, 103: Violin Instruction II-IV

Continuation of MUTQ 100. Private lessons to non-music major. Permission of coordinator/instructor required.

Credits: 1

MUTQ 111, 112: Viola Minor

Study of scales and arpeggios in two octaves; etudes, sonatas, and concerti; and solo repertoire of the difficulty comparable to Masas' Opus 36 Etudes and Eccles' Sonata in G Minor.

Credits: 2

MUTQ 121, 122: Viola Minor

Includes scales, arpeggios, double-stopping, and development of bow techniques

Credits: 2

Prerequisites:

MUTQ 111, 112, or consent of instructor.

MUTQ 131, 132: Viola Minor

Continuation of technical studies with classical solo compositions

Credits: 2

Prerequisites:

MUTQ 121, 122, or consent of instructor.

MUTQ 141, 142: Viola Minor

Study of scales and broken chords in three octaves through the seventh position, technical studies, etudes, and preparation for senior recital

Credits: 2

Prerequisites:

MUTQ 131, 132, or consent of instructor.

MUTQ 211, 212: Viola Major

Instruction in technical studies, etudes, sonatas, and solo repertoire.

Credits: 4

MUTQ 221, 222: Viola Major

Includes technical studies, scales, arpeggios, double-stopping, and development of bow technique; suitable studies and compositions from early and contemporary eras; and preparation for qualifying recital

Credits: 4

Prerequisites:

MUTQ 211, 212, or consent of instructor.

MUTQ 231, 232: Viola Major

Continuation of MUTQ 221, 222

Credits: 4

Prerequisites:

MUTQ 221, 222, or consent of instructor.

MUTQ 241, 242: Viola Major

Continuation of MUTQ 231, 232

Credits: 4

Prerequisites:

MUTQ 231, 232, or consent of instructor.

Voice

MUSG

MUSG 011, 012: Voice Class

Fundamentals of voice production and problems commonly encountered in music education. Required of music education majors with piano or organ emphasis.

Credits: 2

MUSG 111, 112/001, 002: Voice Minor/Third Subject

Instruction in the principles of breathing, phonetics, and diction; vocalises for sustained singing; scales and arpeggios; five English songs; and songs of the black heritage.

Credits: 2

MUSG 121, 122/003, 004: Voice Minor/Third Subject

Consists of vocalises to meet the individual needs of the student, five songs in English and other languages, a German lieder, and easy arias.

Credits: 2

MUSG 131, 132/005, 006: Voice Minor/Third Subject

A continuation of MUSG 121, 122/003, 004.

Credits: 2

MUSG 141, 142/007, 008: Voice Minor/Third Subject

Technical Studies, six songs by modern composers. French songs, and two or more arias. Recital required for minors.

Credits: 2

MUSG 155: Solo Vocal Literature

An exploration of the evolution of Western art song literature from the Classic period to modern day. Students learn to place composers within their historical context and chart the evolution of German, French and American art song, noting characteristics of each genre. Spring only

Credits: 3

MUSG 156: Diction for Singers I

Students learn to use the International Phonetic Alphabet (IPA) utilizing it to learn correct pronunciation and articulation for singing literature in English, Latin and Italian. Fall semester only.

Credits: 2

MUSG 157: Diction for Singers II

Students learn correct pronunciation and articulation for singing literature in French and German. Prerequisite MUSG 156. Spring semester only.

Credits: 2

Prerequisites:

MUSG 156.

MUSG 171: Opera Ensemble Workshop I

The study and performance of arias, opera scenes and operas. Students also learn audition strategies and perform mock auditions.

Credits: 1

MUSG 172: Opera Ensemble Workshop II

The study and performance of arias, opera scenes and operas. Students also learn audition strategies and perform mock auditions.

Credits: 1

MUSG 173: Opera Ensemble Workshop III

The study and performance of arias, opera scenes and operas. Students also learn audition strategies and perform mock auditions.

Credits: 1

MUSG 174: Opera Ensemble Workshop IV

The study and performance of arias, opera scenes and operas. Students also learn audition strategies and perform mock auditions.

Credits: 1

MUSG 211, 212: Voice Major

Instruction in breathing, phonetics, development of tone, legato singing, agility, and major and minor scales and arpeggios.

Credits: 3

MUSG 221, 222: Voice Major

Agility, sustained singing, classical vocal embellishments, and major and minor scales and arpeggios. Preparation for qualifying recital

Credits: 3

Prerequisites:

MUSG 211, 212, or consent of instructor.

MUSG 231, 232: Voice Major

Major and minor scales and arpeggios, German art songs, and arias

Credits: 3

Prerequisites:

MUSG 221, 222, or consent of instructor.

MUSG 241, 242: Voice Major

Major and minor scales and arpeggios; music; German lieder; and Spanish, Russian, and French songs

Credits: 3

Prerequisites:

MUSG 231, 232, or consent of instructor.

MUSG 255: Voice Pedagogy

A systemic study of voice anatomy and acoustics. Students learn the basic development of the vocal mechanism from childhood to maturity. Focus is placed on teaching K-12 music and private lesson strategies. identification and corrections of vocal defects, exploration of vocal health issues and practice teaching. Fall only.

Credits: 3

Violoncello

MUSM

MUSM 100: Violoncello Instruction

Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

Credits: 1

MUSM 111, 112: Violoncello Minor

Consists of all major and minor scales and arpeggios in two octaves with various bowings; studies by Lee, Schroeder, Greutzmacher, and Alexanian; and Hindemith's Three Easy Pieces.

Credits: 2

MUSM 121, 122: Violoncello Minor

Continuation of MUSM 111, 112

Credits: 2

Prerequisites:

MUSM 111, 112, or consent of instructor.

MUSM 131, 132: Violoncello Minor

Continuation of MUSM 121, 122

Credits: 2

Prerequisites:

MUSM 121, 122, or consent of instructor.

MUSM 141, 142: Violoncello Minor

ea. Continuation of MUSM 131, 132, along with preparation of senior recital

Credits: 2

Prerequisites:

MUSM 131, 132, or consent of instructor.

MUSM 211, 212: Violoncello Major

Consists of major and minor scales and arpeggios in three octaves; studies by Schroeder, Popper, Dotzauer, and Klengel; and suitable compositions from string literature.

Credits: 4

MUSM 221, 222: Violoncello Major

Continuation of MUSM 211, 212. Qualifying recital

Credits: 4

Prerequisites:

MUSM 211, 212, or consent of instructor.

MUSM 231, 232: Violoncello Major

Continuation of MUSM 221, 222

Credits: 4

Prerequisites:

MUSM 221, 222, or consent of instructor.

MUSM 241, 242: Violoncello Major

Continuation of MUSM 231, 232, with preparation for senior recital

Credits: 4

Prerequisites:

MUSM 231, 232, or consent of instructor.

Woodwind Ensemble

MUTC

MUTC 111, 112: Woodwind Ensemble

ea. Ensemble for the study and performance of woodwind literature.

Credits: 1

MUTC 121, 122: Woodwind Ensemble

ea. Continuation of MUTC 111, 112

Credits: 1

Prerequisites:

MUTC 111, 112, or consent of instructor.

MUTC 131, 132: Woodwind Ensemble

ea. Continuation of MUTC 121, 122

Credits: 1

Prerequisites:

MUTC 121, 122, or consent of instructor.

MUTC 141, 142: Woodwind Ensemble

ea. Continuation of MUTC 131, 132

Credits: 1

Prerequisites:

MUTC 141, 142, or consent of instructor.

MUTC 201: Flute Ensemble I

Ensemble for the study and performance of flute literature.

Credits: 1

MUTC 202: Flute Ensemble II

A continuation of MUTC 201.

Credits: 1

Entertainment Law

MUSI

MUSI 031, 032: Introduction to Entertainment Law. 100-305

An introductory course for all artists which explores contracts, torts, agency, labor relations, copyrights and communications. Fall/Spring.

Credits: 3

MUSI 032: Intro Entertainment law

An introductory course for all artists which explores contracts, torts, agency, labor relations, copyrights and communications. Fall/Spring.

Credits: 3

MUSI 076: Intro to Music Technology I

This course introduces the principal topics of music technology: acoustics, computers, MIDI, digital audio, and tools for music production and scoring. Hands-on experience will be used extensively to enhance understanding

Credits: 1

MUSI 077: Intro to Music Technology II

A continuation of MUSI 076. This course introduces the principal topics of music technology: acoustics, computers, MIDI, digital audio, and tools for music production and scoring. Hands-on experience will be used extensively to enhance understanding

Credits: 3

MUSI 101: Jazz Theory I

A study of jazz music theory, including chord and scale construction and nomenclature; elementary principles of chord voicing and arrangements; chord/scale relationships; and blues, AABA and other song forms.

Credits: 3

MUSI 102: Jazz Theory II

A continuation of MUSI 101. A study of jazz music theory, including chord and scale construction and nomenclature; elementary principles of chord voicing and arrangements; chord/scale relationships; and blues, AABA and other song forms.

Credits: 3

MUSI 110, 111: Jazz History I, II

(undergraduate). Study of the historical development of jazz from the African heritage to the present.

Credits: 3

MUSI 112: Jazz Seminar

Reports and discussions of topics relevant to the jazz idiom.

Credits: 3

MUSI 143: Vocal Arranging II

This course is designed to teach and develop advanced skills as an arranger of vocal and instrumental ensembles. Chord chart writing and arranging techniques relevant to the rhythm section (keyboards, bass, guitar, drums, and percussion) and contemporary rhythm idioms will be explained and studied.

Credits: 3

MUSI 160: Vocal Arranging I

This course is designed to teach and develop advanced skills as an arranger of vocal and instrumental ensembles. Chord chart writing and arranging techniques relevant to the rhythm section (keyboards, bass, guitar, drums, and percussion) and contemporary rhythm idioms will be explained and studied.

Credits: 3

MUSI 183: Jazz Arranging I

This courses concentrate on writing musical arrangements for small ensembles consisting of one, two & three horns plus rhythm section. For each of the three instrumentations we will address several basic arranging techniques.

Credits: 3

MUSI 184: Jazz Arranging II

A continuation of MUSI 183. This courses concentrate on writing musical arrangements for small ensembles consisting of one, two & three horns plus rhythm section. For each of the three instrumentations we will address several basic arranging techniques.

Credits: 3

MUSI 193: Jazz Bass Workshop IV

This workshop covers the history of the jazz bass and basics of building great bass lines.

Credits: 2

MUSI 232: Intro to Enter. Law

An introductory course for all artists which explores contracts, torts, agency, labor relations, copyrights and communications.

Credits: 3

Philosophy

PHIL

COURSE DESCRIPTIONS

PHIL 051: Principles of Reasoning

Presents the basic principles and criteria of critical analysis and elementary logic.

Credits: 3

PHIL 053: Introduction to Philosophy of Science

Introduces the structure, process, and scope of scientific inquiry and discusses its application in the world.

Credits: 3

PHIL 055: Introduction to Philosophy

Examination of the basic concepts and principles of philosophy concerning being, nature, knowledge, freedom, and God.

Credits: 3

PHIL 057: Introduction to Ethics

Critical analysis of some representative standards of moral conduct, with special consideration of their practical application.

Credits: 3

PHIL 059: Knowledge and Value

Examination of the procedures used in supporting knowledge claims and value judgments.

Credits: 3

PHIL 082: Honors Philosophy: Representative Thinkers

Sophomore Honors course on selected Western thinkers and developments in logical theory. One semester is required.

Credits: 3

PHIL 082, 083: Representative Thinkers

Systematic inquiry into the philosophy of nature and man based on the outstanding works of selected thinkers who have influenced Western thought and civilization.

Credits: 3

PHIL 084, 085: Directed Readings for Sophomores

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

PHIL 088, 089: Directed Readings for Juniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

PHIL 092, 093: Senior Departmental Honors

Focuses on topics related to participation in the Honors Program.

Credits: 3

PHIL 102: Philosophy of Life

An examination of the meaning of life from various perspectives.

Credits: 3

PHIL 106: Problems of Philosophy

Examination and application of the methods of analysis to problems of philosophy.

Credits: 3

PHIL 110: Classical Ethics

Analysis of the nature of moral conduct, good and evil, vice and virtue, and other topics in ethics as they are treated by such classical moralists as Socrates, Plato, Aristotle, Bentham, Mill, and Kant.

Credits: 3

PHIL 112: Introduction to Social and Political Philosophy

An introduction to the traditional themes of political philosophy concerning justice, the individual and society, and the best and worst regimes. Readings from Plato to Habermas.

Credits: 3

PHIL 113: Philosophy of Literature

Considers three questions through close study of great writers of literature, such as Euripides, Plato, Aristotle, Shakespeare, Kafka, Camus, Heidegger, Nietzsche, Sartre, Derrida and Harris. The three questions: "What do philosophers have to learn from literature? In what sense does literature convey "truth?" How does one go about interpreting a text?"

Credits: 3

PHIL 114: Feminist Philosophy

An exploration of the various approaches to the philosophical study and analysis of the experience and perspectives of women. These include the liberal, marxist, socialist and post-modernist approaches to feminism. The course will focus especially on the perspectives of African-American women.

Credits: 3

PHIL 120: Introduction to Existentialism

Study of the primary themes in existentialism, with special emphasis on the differences between its humanistic and theistic branches.

Credits: 3

PHIL 130: Independent Study

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

PHIL 140: Contemporary Moral Issues

A philosophical analysis of moral issues confronting contemporary society: violence, welfare, abortion, assisted suicide, war, affirmative action.

Credits: 3

PHIL 141: Topics in Philosophy of Language

This course is an investigation of specific topics in philosophy of language with specific focus on African-American issues. Topics will vary from time to time.

Credits: 3

PHIL 142: Topics in African Philosophy

An investigation of specific topics in contemporary African Philosophy. Topics vary from time to time.

Credits: 3

PHIL 143: Topics in African-American Philosophy

An investigation of specific topics in contemporary African-American Philosophy. Topics vary from time to time.

Credits: 3

PHIL 144: Philosophy of Religion

Considers the conceptions of God and the religious life in relation to problems of knowledge and value.

Credits: 3

PHIL 145: Islamic Philosophy

A study of Islamic philosophy, focusing on major texts and systems.

Credits: 3

PHIL 146: Latin American Philosophy

Investigation of the major philosophical systems in Latin America.

Credits: 3

PHIL 147: Ethics and Public Policy

Philosophical investigation of the role of ethics in the formulation and execution of public policy in education, defense, health, housing, environment, etc.

Credits: 3

PHIL 148: Environmental Ethics

Consideration of ethical issues in our interaction with the environment, including the impact of developments in technology.

Credits: 3

PHIL 149: Philosophy of Martin Luther King, Jr

A study of the major philosophical writings of Martin Luther King, Jr. focusing on his principle of non-violence.

Credits: 3

PHIL 150: Epistemology

Investigation of the possibility, sources, nature, and scope of knowledge, with examination of both classical and contemporary texts.

Credits: 3

PHIL 151: Metaphysics

Examination of the fundamental nature of reality, including such topics as existence, space, time, infinity, causation, possibility, and actuality.

Credits: 3

PHIL 152: Aesthetics

An introduction to aesthetics; a variety of theories of art, aesthetic analysis, and aesthetic judgment reviewed and evaluated, and the nature and role of the creative process in human experience are analyzed.

Credits: 3

PHIL 153: Philosophy of Culture

A philosophical analysis of culture in its various aspects and an investigation of the cultural foundations of philosophical speculations. Issues to be discussed include the meaning of culture, varieties of cultural experiences, cultural identity, cultural pluralism, culture conflict. The course will also focus on issues of race, racism and racial conflict.

Credits: 3

PHIL 154: Phenomenology

An examination of contemporary continental thought emphasizing the phenomenological philosophies of Husserl, Heidegger, Jaspers, Merleau-Ponty, and Sartre.

Credits: 3

PHIL 155: Philosophy of Law

Treats the principles of jurisprudence in classical texts and recent cases.

Credits: 3

PHIL 156: Pragmatism

An examination of the philosophy of pragmatism focusing on the contributions of its representative thinkers including Pierce and William James and on its contributions in the fields of epistemology, ethics and religion.

Credits: 3

PHIL 157: Philosophical Assumptions and Social Conflict

Analysis of philosophical principles applicable in the explanation and evolution of social conflict, with attention given to the meaning and philosophical roots of such notions as culture, nationalism, racism, and totalitarianism. Includes comparative studies of rights, anarchism, and violence.

Credits: 3

PHIL 158: Business and Professional Ethics

An analysis of the ethical issues raised in business practices and professional activities. Issues to be discussed include the social responsibility of business, ethical issues raised by advertising, whistle blowing, Employment Rights, Self-regulation and Theories of Economic Justice.

Credits: 3

PHIL 159: Philosophy of Economics

Does the difference between the subject-matter of natural sciences and economics indicate an unbridgeable gulf between the methodologies of the two disciplines? What kind of science is economics? Is economics value-free or value-neutral? These are the main questions to be addressed in this course. The issue of economic justice will also be discussed.

Credits: 3

PHIL 160: Pre-Socratic Philosophy

Deals with the birth of Greek philosophy, from prephilosophical world views to systems of the Pythagoreans and atomists.

Credits: 3

PHIL 161: Introduction to Plato

Study of one or more of Plato's Dialogues, with attention to the dramatic context as well as philosophical argument.

Credits: 3

PHIL 162: African-American Philosophy

An examination of the nature of philosophy and a reflection on African-American perspectives in philosophy. The course focuses especially on the context of African-American experience, issues of justice, freedom and identity.

Credits: 3

PHIL 163: Medieval Philosophy

Major figures in Latin and Arabic traditions, from Augustine through Ockham.

Credits: 3

PHIL 164: Current Topics

The content of this course varies from semester to semester. It may focus on issues such as the philosophy of technology, on the thought of a current or recent thinker or on an interdisciplinary theme. The course content is announced several months prior to the date the course is offered.

Credits: 3

PHIL 165: German Idealism

Explores the texts of the chief exponents of German idealism, especially Kant, Fichte, and Hegel.

Credits: 3

PHIL 166: Philosophy of Language

Analysis of the philosophical problems raised by the use of language, including theories meaning and the relationship between language, thought and reality.

Credits: 3

PHIL 167: Hermeneutics or Philosophy of Interpretation

A study of selected texts in the history of interpretation and hermeneutics, with an eye to answering questions such as "Is there such a thing as an "objective" interpretation of a text?"

Credits: 3

PHIL 168: Seminar on Heidegger

A study of the thought of Martin Heidegger. Normally several of Heidegger's books are examined and Heidegger's place in Existentialism, as well as the history of philosophy, are discussed.

Credits: 3

PHIL 169: Seminar on Nietzsche

A study of the thought of F. Nietzsche. Normally several of Nietzsche's books are studied with an eye to Nietzsche's relationship to classical philosophy and his influence on modern philosophy (especially on Existentialism and on Deconstruction).

Credits: 3

PHIL 170: Ancient Greek Philosophy

Reviews philosophers from ancient Greece through the Middle Ages, including the pre-Socratics, Plato, Aristotle.

Credits: 3

PHIL 171: Ancient Egyptian Philosophy

An investigation of the contributions of ancient Egypt to philosophical scholarship; including the mutual borrowings that occurred between ancient Egypt and ancient Greece.

Credits: 3

PHIL 172: African Philosophy

Critical examination of such traditional and modern concepts in African thought as life or existence, time, the universe, man and his place in the universe, and God.

Credits: 3

PHIL 173: The Ethics of Medical Care

Examination of such primary topics as the morality of abortion, euthanasia, and human experimentation.

Credits: 3

PHIL 174: Philosophy of Natural Science

Analysis of discovery, explanation, and revolution in the natural sciences, with emphasis on the role of models.

Credits: 3

PHIL 175: Symbolic Logic

Presents the principles and techniques of analyzing and evaluating deductive arguments through symbolic representation of logical structure.

Credits: 3

PHIL 176: Contemporary Ethics

Examination of recent ethical systems.

Credits: 3

PHIL 177: Philosophy of Social Science

Investigation of the philosophical problems raised by method and theory in the social sciences.

Credits: 3

PHIL 178: Philosophy of Mind

Exploration of the concept of a person, the unconscious, and the alleged privacy of mental phenomena.

Credits: 3

PHIL 179: History of Africana Philosophy

an historical account of African and African/American philosophy from 1800 to the present. The focus of the course is on thinkers who have contributed to the shaping of African thought in the 19th and 20th centuries.

Credits: 3

PHIL 180: Value Theory

Investigation of the general theory of value, with reference to the value problems of ethics, political theory, aesthetics, and religion.

Credits: 3

PHIL 181: Philosophy of Logic

Discussion of views on the nature of logic and the status of its principles, with readings from Frege, Lewis, Strawson, and Quine.

Credits: 3

PHIL 182: Seminar on Plato

Reading of selected middle and late dialogues, including Parmenides, Theaetetus, Sophist, and Philebus.

Credits: 3

PHIL 183: Seminar on Aristotle

Reading of the Physics, De Anima, and Metaphysics.

Credits: 3

PHIL 184: Modern Philosophy: 17th & 18th Century

Study of representative philosophers since the Renaissance, with special attention given to Descartes, Spinoza, Leibniz, Hume, Kant, and Hegel.

Credits: 3

PHIL 185: Rationalism and Empiricism

Analysis of theories of knowledge of representative modern and contemporary writers.

Credits: 3

PHIL 186: Philosophy of Kant

Examination of the Critique of Pure Reason.

Credits: 3

PHIL 187: Philosophy of Hegel

Study of selected philosophical works, with attention to the Phenomenology of Spirit.

Credits: 3

PHIL 188: Philosophy of Kierkegaard

Consideration of the major works of Kierkegaard and their influence on contemporary thought.

Credits: 3

PHIL 189: Nineteenth-Century Philosophy

Study of idealism and naturalism, with attention to Schopenhauer, Hegel, Nietzsche, Marx, Comte, and J. S. Mill.

Credits: 3

PHIL 190: Contemporary Philosophy

An examination of present philosophical tendencies.

Credits: 3

PHIL 191: Meaning and Truth

Analysis of problems around the related notions of meaning and truth, including issues in the study of mind and language.

Credits: 3

PHIL 192: American Philosophy

Review of the dominant traditions in American thought, including Calvinism, transcendentalism, idealism, pragmatism, and realism.

Credits: 3

PHIL 193: Comparative Philosophy

A comparative analysis of the contemporary philosophical orientations of Western, African and Latin-American thought, focusing on ethics, metaphysics, social and political philosophy and on representative schools and individuals.

Credits: 3

PHIL 194: Philosophy of History

Consideration of critical and speculative theories of history, with attention to methodology, causation, and values.

Credits: 3

PHIL 195: Philosophy of Education

Analysis of modern theories of education, with attention to the philosophical implications of contemporary experimental techniques.

Credits: 3

PHIL 196: Senior Colloquium

Introduces students to topical philosophical issues through the format of colloquium in which students meet with invited philosophers who have worked on the issues.

Credits: 3

PHIL 197: Philosophy of William James

Systematic study of James' thought, with attention to such crucial themes as moralism, pragmatism, and pure experience.

Credits: 3

PHIL 198: Seminar in Kant's Ethics

Reading of the Critique of Practical Reason and the Metaphysics of Morals (Part II).

Credits: 3

PHIL 199: Asian Philosophy

Investigation of four fundamental problems of Oriental philosophical traditions: man, the nature of the universe, norms of the moral life, and the validity of knowledge claims, with attention given to methodologies of Hinduism, Buddhism, Confucianism, and Taoism.

Credits: 3

PHIL 200: Senior Seminar

Investigation of a specific philosophical problem in a seminar format. Topics vary from time to time.

Credits: 3

PHIL 210: Senior Honors Thesis

Provides students the opportunity to work on a philosophical project with a faculty member. The outcome must be a thesis that is defended before a faculty committee. The oral defense shall be open to students.

Credits: 3

Physics

PHYS

COURSE DESCRIPTIONS

PHYS 001, 002: General Physics

These lecture/laboratory/recitation course deals with mechanics, heat, sound, (in PHYS 001) light, electricity and magnetism, and modern physics (in PHYS 002), and are algebra-based.

Credits: 8

Prerequisites:

algebra, trigonometry.

PHYS 003: Mathematical Methods for General Physics

Review and applications of basic mathematics encountered in General Physics 001, 002, 007 and 009.

Problems and practical work will be stressed. Not open for credit for students taking General Physics 013, 014, and 015.

Credits: 3

PHYS 007: Physics for Allied Health Students

This lecture/laboratory/recitation course treats the topics of general physics, with emphasis on examples for nursing and allied health students.

Credits: 5

PHYS 008: Physics for Architecture Students

Lecture/recitation course treats mechanics, gravity, sound, thermodynamics, fluids, electricity, magnetism, light, optics, waves, and some modern physics topics with emphasis on topics of interest to architecture students.

Credits: 5

PHYS 010, 011: General Astronomy I, II

each semester. Two-semester course. First Semester: Emphasis on the Solar System. Historical attempts to explain the observed phenomena of the sky. Techniques of contemporary astronomical science. Physical nature of the sun and planets. Life beyond Earth. Current ideas about the origin, age and fate of the Solar System. Second Semester: Emphasis on stars and galaxies. Determination of the distribution and the motions of stars and galaxies in space, their physical properties and their life histories. Violent cosmic phenomena. Expansion of the universe. Search for extraterrestrial intelligence. Two hours of lecture and two hours of laboratory each week.

Credits: 3

Prerequisites:

algebra, and trigonometry.

PHYS 012: The Astronomical Universe

Survey course for non-science majors. Historical development of astronomy, structure of the solar system, properties of planets and comets, recent advances in the exploration of space, the sun and its characteristics, origin and age of the solar system. Introduction to telescopes, spectroscopy and electromagnetic radiation. Life and death of stars, structure of galaxies, cosmology of the universe. Results of space age astronomy. Three hours of lecture and two hours of laboratory each week.

Credits: 4

PHYS 013: General Physics for Science and Engineering Students

This lecture/recitation calculus-based course deals with mechanics, heat and sound. Pre- or Coreqs.: MATH-156.

Credits: 3

PHYS 014: General Physics for Science and Engineering Students

This lecture/recitation calculus-based course covers electricity and magnetism, light, and optics. Pre- or Coreqs.: MATH-157.

Credits: 3

PHYS 015: Introduction to Modern Physics

This lecture/recitation calculus-based course covers modern physics topics.

Credits: 3

Prerequisites:

PHYS 014 and MATH 156, MATH 157.

PHYS 016: Weather and Society

This course examines basic weather phenomena, climate variability and climate change, and their associated effects on people.

Credits: 3

PHYS 023, 024, 025: General Physics for Science and Engineering Students Laboratory

ea. Laboratory courses to accompany General and Modern Physics courses PHYS 013, 014, and 015 respectively.

Credits: 1

PHYS 030: Earth and Space Science I

Topics include an introductory overview; size & distance scale of the Universe; review / introduction to basic physical principles and remote sensing; origins of the Earth & solar system; the solid Earth, its hydrosphere, cryosphere, and atmosphere; and the near-Earth space environment. Laboratory exercises include optics, spectroscopy, study of rocks & minerals, use of star charts & globes and a small reflecting telescope. Also, weather permitting, there may be observing sessions using the Locke Hall Observatory telescope

Credits: 3

Prerequisites:

High school algebra, trigonometry, and physics (introductory college chemistry, physics & calculus recommended).

PHYS 031: Earth and Space Science II

Topics include the moon and the Earth-moon system; the sun; the solar system (major planets & satellites, and minor members); the stars; the interstellar medium; and galaxies and the Universe. Laboratory exercises include use of star charts & globes and a small reflecting telescope. Also, weather permitting, there may be observing sessions using the Locke Hall Observatory telescope

Credits: 3

Prerequisites:

PHYS 030.

PHYS 084, 085: Directed Readings in Honors for Sophomores

ea.

Credits: 2

PHYS 088, 089: Directed Readings in Honors for Juniors

ea.

Credits: 2

PHYS 092, 093: Senior Departmental Honors

Credits: 3

PHYS 140, 141: Introduction to Astronomy and Astrophysics

Topics include celestial mechanics, light and matter, special relativity, binary systems, stellar spectra, interiors of stars, interstellar medium, stellar evolution, stellar pulsation, massive stars, remnants of stars, terrestrial planets, giant planets, minor bodies in the solar system, galaxies, active galaxies, and cosmology.

Credits: 3

Prerequisites:

Phys. 015, Math 157.

PHYS 143: Observational Astronomy

Topics may include data sources, statistics and probability, data modeling, properties of CCD's, photometry and telescopes, spectroscopy, infrared astronomy, high energy astronomy, radio astronomy, and adaptive optics. Coreq. Phys. 140 or instructor's approval.

Credits: 3

PHYS 145: Cosmology & Modern Astrophysics

Introduction to astronomy and astrophysics. Requires ability to understand mathematical and physical concepts (algebra and trigonometry).

Credits: 3

PHYS 150: Atmospheric Physics I

Introduction to astronomy and astrophysics for freshmen who are seriously interested in science. Requires ability to understand mathematical and physical concepts (algebra and trigonometry).

Credits: 3

PHYS 154, 155: Introduction to Digital Computer Programming

Presents the basic concepts applicable to computers in general and coding of actual problems.

Credits: 3

Prerequisites:

MATH 007 and consent of instructor.

PHYS 174: Introduction to Biophysics

Topics considered include the levels of organization within biological systems, flow of energy in living things with an introduction to the thermodynamic systems utilized in biological research; and an introduction to the physical techniques used in the study of biological systems.

Credits: 3

Prerequisites:

PHYS 001 and PHYS 002 or PHYS 013 and PHYS 014.

PHYS 175: Thermodynamics

Introduces the laws of thermodynamics and applications, along with kinetic theory and statistical mechanics.

Credits: 3

Prerequisites:

PHYS 002 or PHYS 013 and MATH 157 and MATH 159.

PHYS 176: Optics

Explores refraction, optical instruments, interference, diffraction, and polarization.

Credits: 3

Prerequisites:

PHYS 002 or PHYS 013 and MATH 157 and MATH 159.

PHYS 178, 179: Electricity and Magnetism

One-year intermediate level course that covers electrostatics, magnetostatics, electric circuits, Maxwell's equations and electromagnetic waves.

Credits: 6

Prerequisites:

PHYS 002 or PHYS 014, and MATH 156, MATH 157, and MATH 159.

PHYS 180, 181: Electronic Physics

This lecture/laboratory course provides a solid background in analog and digital electronics and instrumentation. The first semester involves mostly analog electronics and the second semester mostly digital electronics.

Credits: 3

PHYS 182, 183: Physical Mechanics

This one-year course examines particle and rigid body dynamics, central forces, vector analysis, oscillatory motion, and Lagrangian mechanics.

Credits: 6

Prerequisites:

PHYS 001 or PHYS 013, and MATH 156, MATH 157, MATH 159.

PHYS 186: Observational Techniques

The use of a modern research telescope and its accessories. Time, coordinates, star charts and catalogues. Astronomical photography. Photoelectric photometry. Spectroscopic observations. Data reduction techniques. Two lectures and an observing or laboratory session each week.

Credits: 3

Prerequisites:

An introductory astronomy course, General Physics, calculus.

PHYS 190, 191: Quantum Physics I & II

Presents atomic, molecular, solid-state, and nuclear physics, along with elements of relativity and quantum theory.

Credits: 6

Prerequisites:

PHYS 183 and MATH 156, MATH 157, MATH 159.

PHYS 192, 193: Introduction to Mathematical Physics

Treats vectors and tensors, linear transformations, complex variables, calculus of residues, partial differential equations of physics, Green's functions, Sturm-Liouville theory, orthogonal functions, and Fourier transform methods.

Credits: 3

Prerequisites:

consent of instructor.

PHYS 194, 195: Experimental Physics I and II

Research training including data reduction and error analysis for physicists. Topics include instrumental and statistical uncertainties, propagation of error, probability distributions, method of least squares, curve fitting, and experimental design. Selected experiments in mechanics, heat, optics, electricity and magnetism, atomic and nuclear physics, and electronics, and computer programming. Technical writing skills for the production of scientific publications and reports are emphasized. The course PHYS 194 is the same as PHYS 702 Experimental Physics WRTG.

Credits: 3

Prerequisites:

PHYS 013/014.

PHYS 196: Senior Thesis

Research problems for senior physics majors.

Credits: 1

Prerequisites:

PHYS 194 and senior status in physics.

PHYS 702: Exper. Physics I Writing

Research training including data reduction and error analysis for physicists. Topics include instrumental and statistical uncertainties, propagation of error, probability distributions, method of least squares, curve fitting, and experimental design. Selected experiments in mechanics, heat, optics, electricity and magnetism, atomic and nuclear physics, and electronics, and computer programming. Technical writing skills for the production of scientific publications and reports are emphasized. The course PHYS 194 is the same as PHYS 702 Experimental Physics WRTG.

Political Science

POLS

COURSE DESCRIPTIONS

POLS 001: Introduction to Political Science

Introduction to the basic concepts and substantive divisions of the field of political science.

Credits: 3

POLS 002: Introduction to Research in Political Science

Introduction to the various methods and approaches to the analysis of political phenomena used in the field of political science.

Credits: 3

Prerequisites:

POLS 001.

POLS 003: Introduction to Comparative Politics

Provides a basic knowledge of the functions of government as a social institution by using a comparative approach.

Credits: 3

Prerequisites:

POLS 001 or POLS 010.

POLS 004: Introduction to Political Theory

Examination of theoretical approaches to the study of politics and an analytical introduction to the basic political concepts in their historical context.

Credits: 3

POLS 005: Introduction to African Politics

Survey of certain concepts of African society as they relate to contemporary political institutions in Africa and a historical view of recent political developments before and after independence.

Credits: 3

POLS 006: Pan-Africanism

Comparative analysis of political behavior in black communities. Satisfies Afro-American studies requirement.

Credits: 3

POLS 007: Introduction to Black Politics

A general overview of black politics involving (1) a historical analysis of the black political experience, (2) economic and cultural aspects of the black experience, (3) black ideology and theory, (4) measurements of black political power, (5) leadership in black communities and organizations, (6) black political movements, (7) legal aspects of black politics, (8) black political behavior, and (9) critique of the methods of studying black politics.

Credits: 3

POLS 008: Introduction to Political Economy

Focuses on the interrelationship between the political process and the economic process, involving the production, distribution and consumption of goods and services. Offers a discussion of the basic theoretical approaches that attempt to explain this interrelationship both within and between societies divided into classes, and ethnic or religious groups.

Credits: 3

POLS 010: The National Government of the United States

Introduction to the origins, development, and organization of the U.S. government.

Credits: 3

POLS 011: State and Local Government

Examination of the role and functions of state and local government in the U.S. federal system.

Credits: 3

POLS 084, 085: Directed Reading in Honors for Sophomores

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. (For Honors Program students.)

Credits: 1

POLS 088, 089: Directed Reading in Honors for Juniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. (For Honors Program students.)

Credits: 1

POLS 092, 093: Senior Departmental Honors

Focuses on topics related to participation in the Honors Program.

Credits: 3

POLS 125: Politics of Emerging Nations

Survey of the political process in the non-Western world designed to test theories projecting the impact of modernization on governmental structure.

Credits: 3

Prerequisites:

POLS 001.

POLS 128: International Relations

Introduction to the basic problems of international relations arising out of the power competition of states, and to the methods for the settlement of international disputes.

Credits: 3

Prerequisites:

POLS 001 and POLS 003.

POLS 140: American Political Parties

Consideration of the operation of parties under the American system of government.

Credits: 3

Prerequisites:

POLS 010.

POLS 141: American Public Opinion and Pressure Groups

Examination of public opinion and its effect on political action, with emphasis on opinion formation and measurements, propaganda, and pressure group aims and activities.

Credits: 3

Prerequisites:

POLS 001 or POLS 010.

POLS 142: American Judicial Process

Analyses of the federal courts and the relations and powers of federal and state governments.

Credits: 3

Prerequisites:

POLS 001 and POLS 010.

POLS 143: Black Politics: Electoral and Nonelectoral

Studies the rise, fall, and reemergence of the black electorate in the United States. Satisfies English writing course requirement.

Credits: 3

Prerequisites:

POLS 001 and POLS 010.

POLS 144: The American Presidency

Analyses of the sources, bases, and character of presidential power, with consideration of the relationships of the executive office to government, public, and private groups.

Credits: 3

Prerequisites:

POLS 001 and POLS 010.

POLS 145: Introduction to Public Administration

Presents the basic concepts of public administration and the administrative problems of organization, procedure, personnel, financial administration, administrative law, and public relations.

Credits: 3

Prerequisites:

POLS 001 and POLS 010.

POLS 146: Public Personnel Administration

Study of the basic principles of personnel management applicable to both public service and private enterprise.

Credits: 3

Prerequisites:

POLS 010.

POLS 147: Seminar in Public Administration:

Deals with selected problems in organization and program management, concentrating on action programs, goals and priorities, the process of creating new organizations and programs, citizen participation, special-interest control of programs, interprogram coordination, and program evaluation, with particular reference to factors governing success and failure.

Credits: 3

Prerequisites:

POLS 001, POLS 145, and POLS 146.

POLS 148: Government and Politics of the District of Columbia

A study of the government and politics of the District of Columbia, focusing on relations between Congress and the local government during the current home rule period.

Credits: 3

POLS 149: Introduction to Public Policy Analysis

Introduces students to the basic theories and concepts of policy analysis, with particular emphasis on the policy-making process at the federal level; examines such selected policy issues as welfare, health insurance, and housing; and seeks to assess the impact of policy decisions on blacks, the poor, and other minorities. (See also POLS 145, POLS 147, and POLS 148.)

Credits: 3

POLS 150 , 151: Internship in Political Science.

Limited internship opportunities available to political science majors in the local community, or in federal or local government. Interns work 15-20 hours per week, depending on the agreement and their schedules. Three credit hours may be awarded per semester for each internship. A maximum of six credit hours may be awarded if the student takes POLS 150 (fall semester) and POLS 151 (spring semester).

Credits: 3-6

POLS 152: Internship III

Students may register for this course only with the permission of the instructor. Permission will be given to students who win national or regional internship competitions for placements in settings such as the Supreme Court, the White House, and the State Department. Credit hours will be awarded based on the hours per week required by the internship.

Credits: 3-12

POLS 159: Simulation of International Organizations

This course examines the organization, role, and performance of regional international organizations through simulation (modeling) augmented by class lectures and briefings at various embassies and diplomatic missions. The North Atlantic Treaty Organization (NATO) and the Organization of African Unity (OAU) will be highlighted. Students from various universities will participate.

Credits: 3

POLS 160: American Political Thought

A study of the origins and development of American political thought from the colonial period to the present.

Credits: 3

Prerequisites:

Junior standing

POLS 162: Seminar in Survey Methods

Allows participants to design and implement a survey.

Credits: 3

Prerequisites:

POLS 002.

POLS 163: Constitutional Law I (Theory)

Historical development of constitutional law, demonstrating how the law has grown and changed in relationship to the political and social climate existing at the time.

Credits: 3

Prerequisites:

POLS 001, 010.

POLS 164: Constitutional Law II

Presents the rights of individuals and groups under the U.S. Constitution as interpreted by the U.S. Supreme Court in selected landmark cases.

Credits: 3

Prerequisites:

POLS 001, 010.

POLS 165: Urban Political Economy

Uses tools of political economy to examine critical urban problems. Concentrates on understanding the political economy perspective as well as applying this analytic approach to the study of such problems as the fiscal crisis of the cities, urban structure and movements, and the crisis in some key areas such as housing, education, employment, poverty, transportation, crime, etc.

Credits: 3

POLS 166: Russian Politics

An examination of post communist Russia and the international and domestic forces that gave rise to it. The course explores Russian's foreign and domestic policies and the CIS system.

Credits: 3

Prerequisites:

POLS 003 and 1POLS 28.

POLS 167: Socialism

The essentials of modern socialistic thought. Strong emphasis on the basics of Marxism.

Credits: 3

POLS 169: Government and Politics of Southern Africa

Analyzes the political problems in Angola, Mozambique, Republic of South Africa, Zimbabwe, Lesotho, Botswana, and Swaziland.

Credits: 3

Prerequisites:

POLS 005.

POLS 170: Government and Politics of Central America and the Caribbean

Presents the present political developments in Mexico, the Central American republics, and the Caribbean.

Credits: 3

Prerequisites:

POLS 001.

POLS 171: Government and Politics of South American Countries

Studies political institutions and structures in Latin American states south of Panama.

Credits: 3

Prerequisites:

POLS 001 and POLS 003.

POLS 172: Government and Politics of the Far East

Explores the constitutional structure and political development of Mainland China, Taiwan, Japan, and Korea.

Credits: 3

Prerequisites:

POLS 001.

POLS 173: Government and Politics of the Middle East and North Africa

Study of the government structure of countries of the Middle East and Northern Africa.

Credits: 3

Prerequisites:

POLS 001 or POLS 128.

POLS 174: Government and Politics of South Asia

Study of nation building in India, Pakistan, Ceylon, and Nepal.

Credits: 3

Prerequisites:

POLS 001.

POLS 175: Government and Politics of Southeast Asia

Covers the political situation in Malaysia, Burma, Thailand, Laos, Cambodia, Vietnam (North and South), and Indonesia.

Credits: 2

Prerequisites:

POLS 001.

POLS 176: Government and Politics in Tropical Africa

Examines the political and governmental developments and problems in the states of Tropical Africa.

Credits: 3

Prerequisites:

POLS 005.

POLS 178: American Foreign Policy

Survey of the objectives and the formulation of American foreign policy.

Credits: 3

Prerequisites:

POLS 128.

POLS 179: Foreign Policies of the Major Powers

Survey of the basic policies of the contemporary major powers: Great Britain, the Soviet Union, France, Germany, Japan, and China.

Credits: 3

Prerequisites:

POLS 128.

POLS 180: Urban Government and Politics

Involves study of the urbanization and growth of cities; development, structure, theory, functions, and politics of modern municipalities; and administrative organization and process.

Credits: 3

Prerequisites:

POLS 010.

POLS 181: The American Legislative Process

Examination of the machinery and function of lawmaking in the United States.

Credits: 3

Prerequisites:

POLS 010.

POLS 183: Race and Public Policy

Combines perspectives from the fields of black politics and public policy and administration to develop a theoretical perspective on the convergence of race and public policy, and a set of policy relevant strategies on important problems and issues of special relevance to the national black community.

Credits: 3

Prerequisites:

POLS 007 and/or POLS 149, or permission of instructors.

POLS 184: Problems in American Democracy

Examination of selected major issues of public policy, long-term and current forces, and problems challenging contemporary society. Interdisciplinary in method and content.

Credits: 3

Prerequisites:

students in the social sciences with junior standing and above; also POLS 001 and POLS 010.

POLS 185: Political Behavior

Deals with American political behavior. Covers theory, method and products of scientific study of American politics and American political behavior. Open to majors or minors in political science with junior standing or above. (Offered once a year.)

Credits: 3

POLS 186: Administrative Law

Study of cases, illustrating how the conduct of public officials is regulated.

Credits: 3

Prerequisites:

POLS 142 or POLS 145.

POLS 187: Urban Black Politics

A survey of the major forces at work in the metropolitan area that are radically changing urban and suburban politics, including the politics of social change and of modernization.

Credits: 3

Prerequisites:

Political science majors and minors with junior standing and above; POLS 011.

POLS 189: Black Political Theory

Study of developing types of political strategy based on the analysis of various black political situations, utilizing gaming, role playing, systems analysis, and other relevant techniques.

Credits: 3

POLS 190: Classical and Medieval Thought

Presents political theorists from Plato through the theorists of the medieval period.

Credits: 3

Prerequisites:

Majors or minors with junior standing or above.

POLS 191: Modern Political Theory

Study of the ideas and historical social contexts of political theorists of the Renaissance through the nineteenth century.

Credits: 3

POLS 192: Contemporary Approaches to Political Theory

Study of the ideas and historical-social contexts of twentieth century political theorists.

Credits: 3

POLS 193: Special Topics in Political Theory

In depth study of important topics and/or writers in political theory.

Credits: 3

Prerequisites:

Open to majors in political science with junior or senior standing.

POLS 194: Politics of Campaign Management

Designed to give the student an opportunity to learn and gain experience in the practical aspects of politics. Where convenient, direct involvement in political campaigns will provide first-hand experience.

Credits: 3

Prerequisites:

Junior, senior, or graduate standing.

POLS 195: Nationalism and Revolution

Explores the theories of revolution in modern times, the relationship between nationalism and revolution, and their impact in selected countries.

Credits: 3

Prerequisites:

Junior status or above.

POLS 196: Seminar in Black Politics

Seeks to develop accurate conceptualization of the substance of black political behavior by examining interaction between the class and real political situations. A secondary, though no less important objective, is to apply these concepts to the analysis of ongoing problems with which the black community is chronically confronted.

Credits: 3

Prerequisites:

POLS 143 and junior status.

POLS 197: Comparative Political Parties

Comparative analysis of political party systems of selected countries.

Credits: 3

Prerequisites:

POLS 001 open to majors and minors with junior standing or above.

POLS 198: The United Nations and Regional Organization

Study of the origin, structure, procedure, and current status of the United Nations and an analysis of the structure and functions of various regional organizations.

Credits: 3

Prerequisites:

POLS 128.

POLS 199: Behavioral Research Methods

The fundamentals of Research Design, data collection and analysis, elementary statistics and computer use.

Credits: 3

Prerequisites:

POLS 002.

Psychology

PSYC

COURSE DESCRIPTIONS

PSYC 001: Foundations of Psychological Science (Majors/Minors Only)

This introductory course is designed for Psychology Majors/Minors Only. Lectures and labs will provide an introduction to the scientific study of behavior and mental processes, offering an in-depth exploration of major topics in the field with special attention to biological determinants of behavior, learning and memory, developmental and cognitive processes, social behavior in group settings, personality theories, psychological disorders and therapies.

Credits: 0

PSYC 002: Research Design and Analysis

This course provides an introduction to the research process, research design, and analytic methods.

Throughout the course, students engage in critical thinking to explore both quantitative and qualitative research designs and analytic techniques that are common in psychological science. By the end of the course, students will be able to identify and describe the most appropriate research designs to answer a variety of psychological questions, as well as be able to summarize key features common to quantitative and qualitative research designs used within psychological science. Prereq: 001

Credits: 4

Prerequisites:

PSYC 001

PSYC 003: Statistics I

This course provides an introduction to the research process, research design, and analytic methods.

Throughout the course, students engage in critical thinking to explore both quantitative and qualitative research designs and analytic techniques that are common in psychological science. By the end of the course, students will be able to identify and describe the most appropriate research designs to answer a variety of psychological questions, as well as be able to summarize key features common to quantitative and qualitative research designs used within psychological science. Prereq: 001

Credits: 4

Prerequisites:

PSYC 001, 002

PSYC 004: Statistics II

Continuation of PSYC 003 including confidence intervals, hypothesis tests for comparing proportions, statistical power, analysis of variance, regression analyses, and nonparametric tests. Lectures and laboratory.

Credits: 4

Prerequisites:

PSYC 001, 002, 003

PSYC 011: Capstone Senior Seminar

This course is restricted to Psychology Seniors Only. The goal of this course is to provide a culmination of the information you have amassed throughout your undergraduate experience with major courses. Building on the knowledge and experience you have gained as a psychology major, the course readings and discussions are offered as tools to help you consider the options available to you upon graduation, as well as provide strategies that will help you attain your future goals

Credits: 1

Prerequisites:

This course is restricted to Psychology Seniors Only.

PSYC 012: Seminar in Current Topics

This course will rotate current topics in psychology each semester.

Prereq: 050 or 001; 002

Credits: 3

Prerequisites:

Prerequisites: 050 or 001; 002

PSYC 013: Advanced Seminar in Quantitative Research Methods

This course explores advanced quantitative research concepts, methodological approaches, and analysis techniques. Throughout the course, students learn to design quantitative research studies to answer psychological questions, analyze quantitative psychological data, and write research reports. By the end of the course, students will have an in depth understanding of key features of complex quantitative research data collection approaches and analyses techniques, as well as an in depth understanding of internal, external, construct, and statistical conclusion validity.

Credits: 3

Prerequisites:

Prereq: 001, 002, 003, 004

PSYC 014: Advanced Seminar in Qualitative Research Methods

This course explores advanced concepts, debates, and methodological approaches in qualitative inquiry in Psychology. Throughout the course, students engage in designing qualitative research studies to answer psychological questions, analyzing qualitative psychological data, and writing research reports. By the end of the course, students will have an in depth understanding of key features of complex qualitative research data collection approaches and analyses techniques.

Credits: 3

Prerequisites:

Prereq: 001, 002, 003, 004

PSYC 016: Psychology New Student Orientation

.This introductory course provides a broad overview of the field of psychology and exposes students to the multi-faceted components of psychology as a science through course readings, experiential exercises and assessment assignments. Students will become familiar with research, practice and application areas of psychology, which will serve as a foundation for successfully executing intermediate and advanced courses comprising the psychology major.

Credits: 1

Prerequisites:

Prereq: 001, 002, 003, 004

PSYC 017: Psychology Research Colloquium

This course engages students in a lecture series led by experts on various psychological topics, methods, and applications. Students are expected to attend lectures, as well as engage in related reading and writing assignments. Emphasis will be placed on understanding the range of domains of scientific inquiry in the field of psychology and the ways in which research techniques define the types of questions that can be asked at a given level of analysis.

Credits: 3

Prerequisites:

Prereq: 001, 002

PSYC 020: Abnormal Psychology

Credits: 3

PSYC 021: Cognitive Psychology

This course presents an overview of research on how people perceive, learn, and think about information and the applications for how we engage in daily activities that require human perception, attention, memory, language, reasoning, decision- making, and problem solving. By the end of the course, students will be able to critically evaluate cognitive psychology research and identify the broader social implications of findings

Credits: 3

Prerequisites:

PSYC 050

PSYC 022: Development Psychology

This course explores aspects of basic psychological processes throughout the lifespan areas of study include physical, cognitive, and psychological development of a period from infancy to old age.

Credits: 3

Prerequisites:

Prereq: 001, 002

PSYC 023: Neuropsychology

This course is designed to provide students with a fundamental understanding of neuropsychological concepts, principles and issues. Students will critically examine the clinical and experimental approaches used in the study of human brain-behavior relations, their influence in generating research questions and their contribution to the understanding of the brain's structural and functional organization. The paradigms that will be examined are organized around the idea that brain functions are influenced by a host of sociocultural, biological, psychological and spiritual factors. Diversity topics (e.g., gender, race/ethnicity, religion, SEP, age) and brain health are considered in the context of these biopsychosocial and spiritual factors

Credits: 3

Prerequisites:

PSYC 050

PSYC 024: Personality Psychology

.This course provides an introduction to human personality theories, methods, and research. Throughout the course, students explore the scientific study of personality traits, social learning, motives, personalized goals, developmental tasks, defense mechanisms, cognitive schemas, emotional intelligence, and narrative identity. By the end of the course, students will be able to apply personality theories and research methods to improve their own personal effectiveness, as well as to conduct a person centered personality analysis that incorporates sociocultural complexity within lives.

Credits: 3

Prerequisites:

Prereq: 001, 002

PSYC 025: Social Psychology

A survey of how the social world influences our thoughts, feelings, and behaviors. Theories, experimental evidence and real world examples to explain everything from love to aggression, criminal law to marketing and persuasion, as well as prejudice and discrimination

Credits: 3

Prerequisites:

PSYC 001, 002

PSYC 030: Psychology of the Black Experience

The psychological experiences of African Americans: historical and current analyses.

Credits: 3

Prerequisites:

PSYC 050

PSYC 031: Cross Cultural Psychology

The course explores culture-related variations in behavior: culture and cognition, perception and personality. Cross-cultural methods and measurement problems will be considered.

Credits: 3

PSYC 032: Psychology of Gender

This course builds on intersectionality of gender, race, and sexuality. These dynamic factors are further influenced by written and largely unwritten social policies in the larger social context and the individual's social ecologic context. Students will explore and analyze the role of how biology, historical legacies, racialized institutions and equity impact and influence gender development and expression.

Credits: 3

PSYC 033: Psychology of Race and Racism

This course is designed to give the serious student an opportunity to use psychological methods to advance her or his knowledge of racism and its consequences. A central purpose is to provide you the opportunity to think critically about racism.

Credits: 3

Prerequisites:

Prereq: 050 or 001

PSYC 034: Intro to Clinical Psychology

This introductory course is designed to provide students with a broad overview of the field in clinical psychology. Students will explore the practice of clinical psychology and selected guiding theories, undergraduate/graduate educational requirements, postdoctoral training, licensure, job opportunities for clinical psychologist and continuing educational development. Throughout the semester students will focus on the history and development of clinical psychology, clinical assessment, which includes the clinical interview and psychological testing, clinical interventions, theories of psychotherapy and evidence-based practice. Emphasis will be placed on special topics related to working with culturally diverse groups.

Credits: 3

Prerequisites:

Prereq: 050

PSYC 035: Health Psychology

Health psychology is the study of the psychological, biological, and social processes that influence health, illness, and healthcare. It focuses on the psychological, biological, cultural, and behavioral processes that contribute to physical health, illness and overall wellbeing.

Credits: 3

PSYC 036: Learning and Memory

Data, theories, and issues with an emphasis on human learning.

Credits: 3

Prerequisites:

PSYC 050

PSYC 037: Educational Psychology

This course will provide a survey of the field of educational psychology. Throughout the course students will explore the development and application of psychological theory to education.

Credits: 3

Prerequisites:

PSYC 050 or PSYC 001, 002

PSYC 038: Psychology of Media

This course focuses on how aesthetic and creative messages impact on values, motivations, cognitions, attitudes, self psychology and behavior. The course navigates along two tracks: the first track is dedicated to exploring how electronic and social media shape education, the news, our political system, and advertising; the second track is dedicated to understanding how the psychology of film, in particular, changes emotions, attitudes, and behaviors in the viewer

Credits: 3

PSYC 040: Practicum in Psychology

Open to students who have accumulated at least 24 hours of psychology with a 3.0 average. The course requires the student to do psychological service or research under the supervision of a trained psychologist for 8 hours per week in a departmentally approved setting. In addition to field placements, students will meet together with the instructor one hour per week

Credits: 1

Prerequisites:

PSYC 001, 002 and permission of instructor.

PSYC 042/043: Independent Research Study

Individual supervised research and consent of instructor approval.

Credits: 1-3

Prerequisites:

PSYC 001, 002

PSYC 044/045: Internship

This course enables students to receive course credit for an internship experience. Internships must be approved before the student can register for the course. Students are responsible for contacting the Psychology Department Internship Coordinator to inquire about the process for approving internships several months before the semester they plan to register.

Credits: 1-3

Prerequisites:

Prereq: 001, 002

PSYC 050: Introductory Psychology (Non-Majors/Non-Minors Only)

An introduction to basic concepts in psychology: includes learning, perception, motivation, personality, abnormal, social, and developmental psychology.

Credits: 3

PSYC 051: Experimental Psychology

Laboratory exercises in learning, perception, and cognition.

Credits: 4

PSYC 063: Research methods and Statistics,

This lecture/laboratory course teaches descriptive statistics, probability theory, statistical inference, and correlation in the context of research problems.

Credits: 4

PSYC 064: Research Methods and Statistics II

Continuation of PSYC 063, including analysis of variance, selected comparisons regressions analysis, and nonparametric methods.

Credits: 4

Prerequisites:

PSYC 063.

PSYC 084, 085: Directed Readings in Honors for Sophomores

In this Directed Readings course, students are sophomore Psychology Majors in the COAS Honors Program who are working with a Faculty Mentor to develop proposals for their Honors Theses. In Sophomore Honors, the student works with the mentor to develop the research question and define the study. Prereq: 001, 002

Credits: 1

Prerequisites:

Prerequisites 001, 002

PSYC 088, 089: Directed Readings in Junior Honors

In this Directed Readings course, students are junior Psychology Majors in the COAS Honors Program who are working with a Faculty Mentor to develop proposals for their Honors Theses. In Junior Honors, the student's research project is well-defined in advance of completing the theses.

Credits: 1

PSYC 092, 093: Directed Readings in Senior Honors

In this Directed Readings course, students work with a Faculty Mentor to finalize their Senior Honors Theses, which are due Spring semester in order for the student to graduate with COAS Honors.

Credits: 3

PSYC 102: Perception

Sensory and perceptual processes and their dynamics. Prerequisite: PSYC 060 and PSYC 063.

Credits: 3

PSYC 105: Learning

Data, theories and issues with an emphasis on human learning.

Credits: 3

Prerequisites:

PSYC 050 and PSYC 063.

PSYC 110: Brain and Behavior

Examines the relationship between brain function and behavior

Credits: 3

Prerequisites:

PSYC 050.

PSYC 116: Abnormal Psychology

The psychology of behavior disorders. Prerequisites: PSYC 050 and PSYC 052.

Credits: 3

PSYC 118: Developmental Psychology

Deals with the developmental aspects of basic psychological processes.

Credits: 3

Prerequisites:

PSYC 050 or PSYC 052.

PSYC 119: Cognition

Information processing, thinking, memory, and language.

Credits: 3

PSYC 120: Psychological Testing

This lecture/laboratory course consists of the basic concepts in psychological testing and use of psychological tests.

Credits: 4

Prerequisites:

PSYC 063 and PSYC 050. PSYC 063.

PSYC 123: Personality Theory

Study of the major theories of personality.

Credits: 3

Prerequisites:

PSYC 050.

PSYC 125: General Social Psychology

Introduction to the theories and issues of social psychology: individual, interpersonal, and cultural factors in behavior, and the role of perception, attitudes, and motivation.

Credits: 3

Prerequisites:

PSYC 050.

PSYC 126: Experimental Social Psychology

Examination of human social behavior, with emphasis on research methods.

Credits: 3

Prerequisites:

PSYC 050.

PSYC 127: Human Motivation

Study of the motives generated and maintained in the context of interpersonal relations.

Credits: 3

Prerequisites:

PSYC 050.

PSYC 128: Personality Research

Analysis of the dynamics of personality through empirical research literature.

Credits: 3

Prerequisites:

PSYC 050.

PSYC 140: Practicum in Psychology

Supervised field placement. Approval of instructor required.

Credits: 3

PSYC 141: Cross-Cultural Psychology

This course explores culture-related variations in behavior. Non-Western research and thought have helped to extend the range of our knowledge in various areas such as culture and cognition, perception, and personality. Acculturation, cross-cultural methods, and measurement problems will be considered.

Credits: 3

PSYC 142: Psychology of Gender

A survey of gender issues affecting individuals and society.

Credits: 3

PSYC 143: Junior Research

Individual supervised research.

Credits: 3

PSYC 150: History and Systems

presents a historical overview and the major theories of psychology.

Credits: 3

Prerequisites:

PSYC 050.

PSYC 154: Senior Seminar

Treats current topics in psychology. Open to senior majors or minors only.

Credits: 3

PSYC 156: Senior Research

The student will conduct a research project under the direction of a faculty member.

Credits: 3

Prerequisites:

Senior status.

PSYC 160: Psychology of Race and Racism

Intensive inquiry into racial differences in psychological characteristics and the psychological dynamics of racism.

Credits: 3

Prerequisites:

PSYC 050.

PSYC 161: Psychology and the Black Experience

Examines the experience of blacks in American from the psychological point of view; historical, clinical, and laboratory sources are reviewed.

Credits: 3

Prerequisites:

PSYC 050.

PSYC 170: Computers in Psychological Research

Applications in the behavioral and social sciences.

Credits: 3

Prerequisites:

PSYC 063.

PSYC 171: Psychopharmacology

Uses the fundamentals of experimental psychology and pharmacology as building blocks for conventional current approaches to drugs and learning behavior as operant conditioning, drug screening procedures, behavioral toxicology, and behavioral teratology.

Credits: 3

Prerequisites:

Consent of instructor.

PSYC 174: Intro to Clinical Psychology

An introduction to the basic concepts and practices of the field of Clinical Psychology.

Credits: 3

PSYC 175: Psychology of Family Issues

This course introduces students to the systemic models of interaction that shape families. It also uses a developmental model to understand how families evolve over time as well as the critical role of attachment and trauma in shaping individual personalities and life trajectories.

Credits: 3

PSYC 176: Drugs and Human Behavior

Explores the psychological, pharmacological, and physiological aspects of drugs and human behavior.

Credits: 3

Prerequisites:

PSYC 050.

PSYC 184/193: Marc. Rec Lecture-Lab (Writing)

This is a multidisciplinary seminar and laboratory experiences course providing research experience and professional development, responsible conduct of research and related topics to MARC Program Members. Enrollment is limited to MARC Trainees. No course prerequisites; may be repeated for credit. By permission of the instructor only

Credits: 1

Prerequisites:

By permission of the instructor only.

PSYC 716: Abnormal Psychology Writing

Abnormal Psychology is concerned with identifying, understanding, and treating psychological disorders. The course will explore psychological disorders from a variety of theoretical frameworks including psychological, biological, and sociocultural perspectives. After reviewing historical perspectives, current diagnostic approaches, and classification systems, the course will discuss specific disorders including mood and anxiety disorders, psychotic disorders, substance-related disorders, and eating disorders. In conjunction with discussion of course topics, student will be expected to engage in weekly psychological writing exercises using the appropriate writing guidelines set forth by the American Psychological Association. Course writing activities will also include reflections and a psychological paper focusing on current empirical studies that examine underlying factors as well as on empirically based treatments

Credits: 3

PSYC 723: Personality Writing

This is an upper level writing intensive course designed to provide students with an introduction to Personality Psychology. It is also designed to enhance students' professional development with respect to critical thinking, writing, and project management. Throughout the course, students will become acquainted with the art and science of understanding a persons' personality traits, characteristic adaptations (e.g. movies, goals, values), and narrative identity (i.e. integrative life narratives). The course teaching methods are varied and include the following: experimental learning, selfdirected learning, collaborative learning, distance learning, project based learning, and didactic learning. By the end of the course, students will be able to apply personality core concepts, person centered analyses, and personality assessments to conduct and write up a personality psychobiographical case study within the personological tradition in the field of personality psychology.

Credits: 3

PSYC 741: Cross-Cultural Writing

This is a writing intensive course that explores culture-related variations in behavior. Non-Western research and thought have helped to extend the range of our knowledge in various areas such as culture and cognition, perception, and personality. Acculturation, cross-cultural methods, and measurement problem will be considered.

Credits: 3

PSYC 991: Psychology Co-op

Credits: 1

Sociology

SOCI

COURSE DESCRIPTIONS

SOCI 001: Introduction to Sociology

Basic concepts in sociology including the nature and functioning of groups, the individual and the group, social processes, and social change.

Credits: 3

SOCI 003: Social Problems

An analysis of major institutional problem areas in American society, with particular focus on the interplay between structural and sociopsychological level factors. Attention is also given to social policies designed to ameliorate problematic situations.

Credits: 3

SOCI 020: Introduction to Social Psychology

Analyzes the development of human nature and personality as products of social interaction and culture.

Credits: 3

SOCI 070: Introduction to Criminology

Covers the nature and extent of crime and proposes policies for the treatment of crime and criminals.

Credits: 3

SOCI 071: Juvenile Delinquency

Discusses the nature and extent of delinquency, community and personality factors in delinquent behavior, theories and methods of treatment and preventive measures.

Credits: 3

SOCI 072: Juvenile Justice System

An examination of the historical development and contemporary forms of treatment of juvenile offenders, with special emphasis on the functioning of these approaches in American society.

Credits: 3

SOCI 074: Corrections

An analysis of correctional approaches and strategies as well as an evaluation of their effectiveness relative to theories of penology.

Credits: 3

SOCI 079: Internship

Integration of fieldwork in criminal justice agencies with criminological theory. (NOTE: by permission only)

Credits: 3

SOCI 100: Social Theory and Society

Presents social theories before the nineteenth century and the subsequent development of sociology. Applies various theories to society today, connecting theory with practice and social policy.

Credits: 3

SOCI 101: History of Social Thought

Examines the thoughts of pre-Socratic thinkers to Renaissance thinkers.

Credits: 3

SOCI 102: Directed Readings in Honors for Sophomores

Includes readings, reports, and discussions around selected topics in sociology.

Credits: 1

SOCI 103: Directed Readings in Honors for Sophomores

Continuation of SOCI 102.

Credits: 1

SOCI 104: Directed Readings in Honors for Juniors

Consists of readings, reports, and discussions of classical works in the field and of contemporary journal literature.

Credits: 1

SOCI 105: Directed Readings in Honors for Juniors

Credits: 1

SOCI 106: Senior Departmental Honors

Independent investigation of a topic of interest to the qualified senior student under the supervision of a staff member. Results are presented as an honors thesis which must be defended in an oral examination.

Credits: 3

SOCI 108: Senior Review

Review and analysis of sociological topics, concepts, theories and issues through focused discussions and written assignments. Major objective is to integrate materials of the major.

Credits: 3

SOCI 110: Elementary Statistics

Focuses on statistical methods applied to social data, employing measures of central tendency, dispersion, bivariate tests for significant differences and association, and simple regression.

Credits: 3

SOCI 111: Sociological Methods

Basic methods and techniques employed in sociological research.

Credits: 3

SOCI 119: Advanced Statistics I

Focuses on the application of multivariate statistical methods to social data, employing two measures: linear regression and analysis of variance.

Credits: 3

Prerequisites:

SOCI 110.

SOCI 121: Collective Behavior

Explores mobs, panics, mass behavior, public opinion, propaganda, social movements, revolutions and reform as incipient changes in the social order.

Credits: 3

SOCI 125: Global Health: Challenges, Responses, and Future Actions

Credits: 3

SOCI 130: Principles of Demography

Overview of demographic variables, with emphasis on fertility, morbidity, migration, and urbanization and the relationships between population growth and other social and economic factors.

Credits: 3

SOCI 131: Introduction to Human Ecology

Focuses on the interrelationships between population, resources, and environment; the implications for population growth; natural and human resources utilization; and environmental concern. Approach adapted from demography and human ecology.

Credits: 3

SOCI 132: Population

Deals with the volume, composition, quality, growth, trends, and distribution of population, along with the relationship of populations to social organization.

Credits: 3

SOCI 133: Women in Development

Discusses critical theoretical research issues, associated with international development, focusing on the position of women in various cultural contexts.

Credits: 3

SOCI 139: Independent Study

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

SOCI 140: Urban Sociology

Examines the urban community, its patterns, and its institutions, and includes supervised projects in urban research materials and techniques.

Credits: 3

SOCI 144: Climate Change, Energy, and Social Justice

This course covers a broad spectrum of human impacts on the earth, including how people make decisions about their interactions with the environment.

Credits: 3

SOCI 150: Social Stratification

Examination of the causes and social, economic, and psychological effects of differentials in rank and status in society.

Credits: 3

SOCI 151: Sociology of Poverty

Examines the underlying causes and the social, psychological, and political consequences of poverty; the socioeconomic characteristics and family life of the poor; and the community services and programs designed to alleviate poverty.

Credits: 3

SOCI 155: Sociology of Power

Analyzes power in the contemporary content, then in general perspective, with special emphasis on its role in social change.

Credits: 3

SOCI 160: The Sociology of Afro Americans (formerly Negro in America)

Examines blacks as a minority group in American society.

Credits: 3

SOCI 161: Problems in the Black Community

Study of the social structure of the black community and social movements directed towards social change.

Credits: 3

SOCI 165: Intergroup Relations

Comparative survey of majority-minority relations, determining factors, consequences for groups and individuals, and strategies for altering.

Credits: 3

Prerequisites:

SOCI 020.

SOCI 170: Principles of Criminal Justice

Analyzes the various segments of the criminal justice system, including the means by which these segments depend upon each other for their perpetuation, and compares the theoretical purposes of the criminal justice system and its present-day practices.

Credits: 3

SOCI 172: Social Change and the Criminal Justice System

An analysis of the impact of social, economic, and political change on the structure and function of key criminal justice agencies.

Credits: 3

Prerequisites:

SOCI 070 or SOCI 170.

SOCI 173: Deviance and the Community

Study of the types of individual and institutional forms of deviance, with an assessment of theoretical approaches to it.

Credits: 3

SOCI 174: Police, Law, and Society

Examination of the role of the police and their use and misuse of law, with attention to society's role in controlling and approving police practices, along with the part society plays in encouraging and approving police malpractice.

Credits: 3

SOCI 175: Sociology of Law

Examination of law as a form of social control; analysis of relationships between law and society.

Credits: 3

SOCI 180: The Family

Explores the family as a social institution, the relation of the family to the community, family organization and disorganization, and the family and personality development.

Credits: 3

SOCI 183: Introduction to Medical Sociology

Overview of the development of social medicine and the sociology of medicine, examining major areas of activity in medical sociology. Distinction is made between sociology of medicine and sociology in medicine, with concentration on the former.

Credits: 3

SOCI 184: Seminar: Sociology of Mental Health

Deals with sociological theories and the etiology of mental disorder; research on social epidemiology and ecology; the impact of social structure; popular conceptions of mental health and deviance; and emerging ideologies of mental disciplines.

Credits: 3

SOCI 186: Death and Dying

Reviews research and theory relating to attitudes and behavior relating to death and dying.

Credits: 3

SOCI 188: Family Life Laboratory I

Provides analysis of dramatic techniques, including imagery exercise and spontaneous role playing. Explores life history method for understanding problems of family life.

Credits: 3

SOCI 189: Sociology of Work

Focuses on social aspects of the organization of work in industrial society; relations between cultural and industrial organization, and interrelationships among industrial, political, familial, and educational institutions.

Credits: 3

Theatre Arts

<http://coas.howard.edu/theatrearts/>

The Department of Theatre Arts is committed to the training of knowledgeable theatre artists, theorists, historians, and teachers in the theatre arts. The Department is dedicated to the principle of developing the highest quality of theatre art, and to the serious investigation and perpetuation of the experiences and aesthetics of Black theatre.

Objectives

1. To train and educate theatre artist-scholars by providing students with a broad-based foundation of theatre process and practice.
2. To provide students with diverse theatre experiences and to investigate and perpetuate the aesthetics of African-American theatre.
3. To provide students with a knowledge of and appreciation for related Fine and Performing Arts disciplines and how they are integrated into the practice of theatre.
4. To provide students with the basic techniques necessary for performance in theatre, film and television.

The curriculum for each area of concentration is administered by an Area Coordinator who is appointed by the Chairman of the Department. Students enrolled in a Theatre Arts program shall be advised by the appropriate Area Coordinator.

All Theatre Arts students must officially declare an area of concentration and successfully complete an audition and/or interview in that area. Official declaration can only be made by filing a completed Area of Concentration Declaration Form with the appropriate area coordinator and conducting a final interview with the Departmental Chairman. All Theatre Arts students must pass the English and Mathematics Placement examination. Otherwise, the student must successfully complete the required remedial courses.

Majors

The Department of Theatre Arts offers several major areas of concentrated study which lead to the Bachelor of Fine Arts degree in Theatre Arts. Areas of concentration in Theatre Arts include the Performing Arts: [Acting](#), [Musical Theatre](#), and [Dance](#); [Theatre Arts Administration](#) and [Theatre Technology](#).

Minors

Minors in [Theatre Arts](#), [Dance Arts](#), [Theatre Arts Administration](#), [Technical Theatre](#), and [Playwriting](#) are also available to non-Theatre Arts students.

Admissions

All Applications require department review. Prospective students are not automatically accepted by the Department of Theatre Arts once they declare Theatre Arts as their area of interest. After review of pertinent data, the Department makes the final determination about admissions to its programs.

General Requirements

All theatre arts students must satisfy the general requirements for admission to the University. Once accepted to the University, students interested in performance programs of study ([Acting](#), [Musical Theatre](#), [Dance](#)) will prepare for auditions and students interested in administration and technical areas ([Theatre Arts Administration](#), [Theatre Technology](#)) will prepare for interviews.

All transfer students must meet the requirements outlined on the College of Arts and Sciences' website: <http://www.coas.howard.edu/requirements.html#tc>. In addition, all transfer students must successfully complete an audition/ interview in the area of concentration in which they are intending to enter, before being accepted in the Department of Theatre Arts. This process must occur **before** arriving on campus. At that time level placement usually occurs and that will determine which courses will be accepted in the discipline. General education courses may also require that equivalences be verified by the appropriate Department on campus. All transfer students are advised that transferring into the Department of Theatre Arts does not excuse the taking of prescribed sequential courses necessary for successful completion of the area of concentration. Furthermore, transferring into the Department may require additional time and resources to complete the chosen area of concentration.

Guidelines for Exchange Students

1. The student must have a 2.75 grade point average or better and be in good standing in the department.
2. Student must have a grade of "C" or better in all courses required for his/her area of concentration.
3. The student must submit a letter to the Chairman requesting an exchange program of study along with official descriptions of the courses from the catalogue that will be taken at the exchange school. This information will be forwarded to the appropriate coordinator, then presented to the Faculty who will make the final determination on the request.
4. The student must also file the appropriate forms in the Office of International Student Services. This includes submitting a transcript and an interview with appropriate authorities.

THEATRE ARTS DEGREE PROGRAMS

Acting

The objectives of the Acting concentration are designed to provide the student the opportunity to master the acting skills necessary for pursuit of a professional career in the areas of performing arts. The program combines classroom instruction with rehearsal and performance techniques. The program is divided into three levels of training: Elementary, Intermediate and Advanced. Specific skills are emphasized at each level. A jury examination is required each semester of all acting students. A satisfactory jury examination is necessary for a passing grade in all Acting classes.

Musical Theatre

The purpose of the Musical Theatre Performance concentration is to produce professional artist/scholars with the ability to excel on any theatrical stage, including but not limited to, Broadway, Off-Broadway, touring, regional, international, cabaret and concert (both major and minor), commercial and not-for-profit. The program asserts that beginning with intense self-discovery and exploration, matched with dedicated focus on foundational technique, followed by an unyielding diligence towards artistic and scholarly excellence, performers become creative, high-quality artists. The program works to facilitate not just the creation of

performers who are highly skilled technicians of singing, dancing, and acting but passionate artists with a deep respect for the craft, who use musical theatre to communicate with audiences about our shared human condition.

Dance

The Dance program is designed to educate, train, and develop talented students in the performance skills of dance. The program combines theoretical classroom instruction, studio techniques and rehearsal, and performance skills. The student is provided with the opportunity of technical development with guest artists, internships with major performance companies, and critical guidance in level placement and training. Entry requirements for dance students include auditions and interviews and exit requirements involve passing a jury examination. A major emphasis in this program is the successful completion of the practicum experience in the senior year.

Theatre Arts Administration

The Theatre Arts Administration program is intended for students who express an interest in and an inclination toward the production and managerial aspects of theatre. The program is based on the philosophy that a successful career in Theatre Arts Administration requires knowledge of modern business practices coupled with a comprehensive background in theatre. The focus of this area of concentration is directed toward the study of both theatre arts core courses, as well as courses in business, which relate to the disciplines of Management, Legal Environments, Marketing, and Finance. In addition, the premise of the Theatre Arts Administration program is to impart to the student the three characteristics that embody a successful arts organization: artistic quality, public service, and fiscal responsibility. A major emphasis in this program is the preparation for the successful completion of an appropriate internship.

Theatre Technology

The Theatre Technology program is designed to educate, train and inspire talented students in the technology of live theatre. It is expected that students who successfully complete this course of study will eventually become accomplished technical directors and theatre technicians in community, educational, regional and/or professional theatres as well as accomplished planners or consultants in other semi-related occupational fields.

THFD 186: Honors Directed Studies

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

Theatre Arts Administration

THTA

THTA 001, 002, 003, 004, 005: Theatre Arts Admin Laba I - V

This course expands the student's understanding of Theatre Arts Administration by applying their knowledge to real cases or situations that are carefully supervised by the instructor.

Credits: 5

THTA 089: Aesthetics

An introduction to aesthetics; a variety of theories of fine arts; an evaluation and review of dramatic aesthetic analysis and judgment. Analysis of the nature and role of the creative process in the human experience.

Credits: 3

THTA 090: Introduction to Theatre Management I

This course is designed to provide an introduction to the economic and managerial aspects of American theatre, especially as they apply to repertory, community, and educational organizations. The course aims to relate principles of business management to the theatre, to evaluate theatre management to date and to suggest new directions for the future. Emphasis will be placed on the practical and contemporary aspects of the field. Classroom work will be supplemented by administrative assignments related to the Department's stage productions. Fall semester only.

Credits: 3

THTA 091: Introduction to Theatre Management II

Continuation of THTA 090.

Credits: 3

Prerequisites:

THTA 090

THTA 092: Intermediate Theatre Administration Lec/Lab

Fundamentals of box office operations; theatre facilities management and operations; public relations for the theatre including advertising, publicity and audience development, with supervised lab including production responsibilities in each of three areas of study.

Credits: 3

THTA 093: Intermediate Theatre Administration Lab

Continuation of THTA 092.

Credits: 2

Prerequisites:

THTA 092

THTA 95: Intro to Production/Lab

Credits: 3

THTA 190: Seminar in Theatre Administration

Teaches problem solving with regard to the development of the professional and community theatre.

Credits: 3

Prerequisites:

Juniors and Seniors only.

Theatre Education

THEA

COURSE DESCRIPTIONS

THEA 170: Methods and Principles of Teaching Drama

Methodology and principles of teaching dramatic arts on the secondary level; a prerequisite for practice teaching.

Credits: 3

Prerequisites:

Consent of instructor. Juniors only. Course is restricted to Drama majors.

THEA 171, 172: Independent Study. Directed Studies in Theatre Education

Designed by the teacher and student to pursue a particular area of interest in theatre education.

Credits: 3

Prerequisites:

Junior or senior standing and consent of instructor.

Theatre Foundation

THFD

THFD 010: Introduction to Theatre

Study of the theatre in terms of its critical, historical aesthetic, and practical aspects, focusing on the relationship between theatre and society in various periods.

Credits: 3

THFD 040: Playwriting I

Involves the development of the play script from premise to scene, teaching basic craftsmanship in developing characters, plot, and dialogue.

Credits: 3

Prerequisites:

ENGL 002, ENGL 003, THFD 080, THFD 083.

THFD 041: Playwriting II

Traces the development of the play script from a scene to a one-act play.

Credits: 3

Prerequisites:

THFD 040 and consent of instructor.

THFD 042: Playwriting III

An advanced course in play/script preparation.

Credits: 3

Prerequisites:

THFD 040, THFD 041 and consent of instructor.

THFD 043: Playwriting IV

A continuation of Playwriting III.

Credits: 3

Prerequisites:

THFD 040, THFD 041, THFD 042 and consent of instructor.

THFD 070: Children's Theatre: History and Philosophy

Study of the historical and philosophical development of the children's theatre movement in America and Europe.

Credits: 3

THFD 080: Play Analysis

Critical analysis of dramatic literature with regard to plot, theme, and character, approached from the director's and actor's viewpoints.

Credits: 3

Prerequisites:

ENGL 002, ENGL 003.

THFD 081: Play Reading

Continuation of Play Analysis.

Credits: 3

Prerequisites:

THFD 080 and consent of instructor.

THFD 083: Introduction To Playwriting

Course is designed to expose students to dramatic structure of representative genres and utilize those skills gained in the reading and analysis of selected dramatic literature.

Credits: 3

Prerequisites:

THFD 080.

THFD 180: Theatre History I

Examines the major movements, trends and styles in theatre and dram from antiquity through late 18th century.

Credits: 3

Prerequisites:

THFD 080, THFD 083.

THFD 181: Theatre History II

Examines the major movements, trends and styles in theatre and drama from 18th century through early 20th century.

Credits: 3

Prerequisites:

THFD 180.

THFD 183: Contemporary Trends and Issues in American Theatre

Examines issues and trends in American theatre from the mid 1960's to the present. Includes the study of development of Regional Theatre, Off-off Broadway, Black American Theatre, the "Happening," Environmental Theatre and Theatre in American Colleges and Universities.

Credits: 3

Prerequisites:

THFD 181, or consent of instructor.

THFD 185: Development of Black American Theatre and Drama: 19th Century to Present

Survey course in the development of Black American theatre and drama from 19th century to present.

Credits: 3

Prerequisites:

Consent of instructor.

THFD 187: Honors Thesis

Support of the conceptualization, development, and writing of a thesis or capstone project by a faculty member.

Credits: 3

THFD 188: Seminar in Dramatic Criticism

An advanced program of study in dramatic criticism. Student expected to complete an advance project.

Credits: 3

Theatre Technology

THTT

THTT 001: Theatre Practicum I: Rehearsal and Performance

Supervised laboratory experience in technical theatre, construction techniques, scenery, costumes, lighting, and props; production mounting and performance.

Credits: 1

THTT 002, 003, 004, 005, 006, 007: Theatre Practicum II-VII

Continuation of THTT 001.

Credits: 6

Prerequisites:

THAC 001.

THTT 008: Theatre Practicum: House Management

Supervised laboratory experience in theatre administration, publicity and house management.

Credits: 1

THTT 009: Advance Practicum IX

Advanced section of Practicum for Stage Managers, Assistant Directors, Crew Heads, etc.

Credits: 2

Prerequisites:

Consent of instructor.

THTT 050: Introduction to Technical Theatre

The fundamentals of methods, vocabulary, materials and facilities employed in technical theatre.

Credits: 3

THTT 051: Basic Stage Lighting

A beginning course in the principles and practices of stage lighting, with emphasis on the equipment and procedures used in typical theatre facilities and productions.

Credits: 3

THTT 052: Basic Stagecraft

An introduction to the materials, techniques, and equipment used in the construction, handling, and maintenance of scenery and properties for the stage; and to acquaint students with the art of scene design.

Credits: 3

THTT 053: Costume for the Theatre

Teaches fundamental techniques and theories of designing and executing stage costumes, with period research, color, and fabrics studied in relation to the actor, director, and designer.

Credits: 3

THTT 057: Stage Make-up/Lab

Introduction to the fundamental aspects of theatrical make-up, hair design, and the construction and use of prosthetics.

Credits: 3

THTT 058: Tech Production I

A supervised laboratory course in the practice of stagecraft, stage lighting, stage sound, state properties, stage costuming, stage make-up and special effects with emphasis on the equipment and procedures used in typical theatre facilities and productions.

Credits: 3

THTT 059: Tech Production II

Continuation of Tech I.

Credits: 3

THTT 148: Playwriting Seminar I

An advanced program of study in playwriting.

Credits: 3

Prerequisites:

Consent of instructor.

THTT 149: Playwriting Seminar II

Continuation of Playwriting Seminar I.

Credits: 3

Prerequisites:

THTT 148 and consent of instructor.

THTT 150: Sound for the Theatre

An extensive course in the theory, equipment, and techniques used to achieve both live and recorded sound for the stage. The course will include experimentation with contemporary concepts and materials.

Credits: 3

Prerequisites:

THTT 050 and consent of instructor.

THTT 151: Intermediate Stage Lighting

Emphasizes the design process, and includes the mechanical and conceptual elements of both the lighting plot and the realized product. Basic drafting skills are required.

Credits: 3

Prerequisites:

THTT 051 and consent of instructor.

THTT 152: Intermediate Stagecraft

A continuing course in the principles and practices of stagecraft which emphasizes the more specialized areas of stagecraft and stage properties. The course also include the techniques for working with new or seldom used materials.

Credits: 3

Prerequisites:

THTT 052 and consent of instructor.

THTT 153: Intermediate Costume for the Theatre

Advanced course in teaching fundamental techniques and theories of designing and executing stage costumes, with period research, color, and fabrics studied in relation to the actor, director, and designer.

Credits: 3

THTT 154: Design I

Introduction to drafting procedures and graphic techniques for the stage.

Credits: 3

Prerequisites:

THTT 051, 482-002 and consent of instructor.

THTT 155: Design II

The study of styles, principles, and mechanics of scenic design. Projects will include color sketches, scale drawings, and scale models.

Credits: 3

Prerequisites:

THTT 154 and consent of instructor.

THTT 156: Stage Management

To explore the methods and principles used to organize and supervise the performance personnel and production crews from the pre-audition period through the post-production meetings; to develop an understanding of all the responsibilities of an efficient stage manager and how to best satisfy the needs of all the production personnel.

Credits: 3

Prerequisites:

THTT 030 and consent of instructor.

THTT 157: Special Projects in Technical Theatre

An in depth exploration of advanced and special areas of technical theatre.

Credits: 3

Prerequisites:

THTT 051, THT 052 and consent of instructor.

THTT 159: Seminar in Technical Theatre

An advanced program of study in technical theatre practice including: design, props, costuming, stage management, and technical theatre research. Students will be expected to complete an advanced project.

Credits: 3

Prerequisites:

THTT 151, or THTT 152, or THTT 153 and consent of instructor.

THTT 209: Drama Internship

An intensive career-oriented work experience related to the student's academic studies, professional and education in Theatre Technology

Credits: 3

Acting

THAC

THAC 004: Theatre Practicum IV

A course in which the primary goal is to enhance the student's previously acquired knowledge and abilities by applying them to real cases or situations that are carefully supervised by the instructor. Prerequisite. THAC 003.

Credits: 1

Prerequisites:

THAC 003.

THAC 014: Voice for the Stage

Development of the vocal techniques for the actor.

Credits: 3

THAC 015: Diction for the Stage

Introduction to phonetics and placement of sounds for effective speech.

Credits: 3

THAC 016: Phonetics/Dialects

Analysis of techniques of various dialects based on phonetics and phonology.

Credits: 3

Prerequisites:

THAC 014.

THAC 017: Speech for the Microphone

The objective of this course is to emphasize the importance of effective vocal techniques for state, film and TV production and to aid the student in formulating a practical, systematic approach to more effectively communicate ideas using microphones. Spring only.

Credits: 3

THAC 020: Introduction to Acting: For Non-Majors

An introduction for non-majors to the problems and techniques of acting through history, theory, and practice. Appreciation of the actor's function as a creative artist through selected readings, exercises and play attendance. Examination of the actor's craft through improvisation and exercises, physical and emotional skills. Each section limited to sixteen (16) students.

Credits: 3

THAC 021: Acting: Techniques I

Development of the acting instrument and the processes and techniques of the actor. Improvisations and beginning scenes: textual analysis to perceive acting problems, personal involvement, selecting and accomplishing stage tasks.

Credits: 3

Prerequisites:

Consent of instructor based on audition. Fall semester only.

THAC 022: Acting: Techniques II

Practical exploration of the actor's craft through improvisation and exercises in physical and psychological action; problems in the use of imagination, observation and research as tools for exploring the script.

Credits: 3

Prerequisites:

THAC 021. Spring Semester only.

THAC 023: Acting: Techniques III

Development of acting skills and sensory awareness. Beginning scene study, textual analysis.

Credits: 3

Prerequisites:

THAC 022. Fall semester only.

THAC 024: Acting: Techniques IV

Continuation of Techniques III.

Credits: 3

Prerequisites:

THAC 023. Spring Semester only.

THAC 025: Movement for the Stage

Development of body usage and awareness, spatial improvisation, basic movement or skills and warm-up techniques.

Credits: 3

Prerequisites:

Consent of instructor. Fall Semester only.

THAC 026: Stage Combat

Fundamentally a movement course. Introduces fencing, and incorporates the three major weapons: the epee, the sabre, and the foil. Also emphasizes unarmed combat techniques, involving movement patterns in boxing, karate and wrestling and the application of these activities toward creating the illusion of combative reality on the stage. Spring Semester only.

Credits: 2

THAC 027: Audition Techniques

Preparation of monologues, work on prepared and cold readings, resume, and marketing techniques.

Credits: 1

Prerequisites:

Consent of instructor. Class is limited to fifteen (15) students.

THAC 030: Beginning Directing

Presents the fundamentals of script analysis, blocking casting procedures, compositions, and stage business and their relationship to technical theatre.

Credits: 3

THAC 054: Fund. of Dance II

Fundamentals II goes beyond the basics to tackle more complex and challenging floor work, as well as to emphasize performance qualities and expression.

Credits: 2

THAC 071: Creativity: Theatre and Life

Using the theories of Viola Spolin, Daniel Pink, Rollo May, Edward de Bono, Eric Maisel and Michael Michalko, Creativity in Drama and Life is designed to enhance the students ability to understand and utilize their creative abilities. This course will aid in freeing the student to explore their mind, voice and body in an original and deeply creative manner. Each student will be challenged to become aware of processes that aid them in ridding themselves of mental and physical tension, improve their focusing skills, and to take bold and spontaneous risks (both written and improvised). In addition, this course is geared towards making the student aware of the application of the creative process to fields beyond theatre. This class will also engage the student through using the principles of teamwork and leadership to involve them in honest and conscientious self and peer assessment, and, to expose the student to techniques of creative application in order to drastically improve their creativity and ability to communicate that creativity through communication and interaction with others.

Credits: 3

THAC 106: Film/TV Performance

A study of the special technical aspects of acting before a camera.

Credits: 3

Prerequisites:

Consent of instructor. This course requirement may be substituted by THAC 211.

THAC 107: Forms of Entertainment

Designed to familiarize the student with various selected forms of entertainment, from both a scholarly and practical perspective.

Credits: 3

Prerequisites:

Consent of instructor.

THAC 108: Introduction to Dinner Theater

Teaches the techniques of producing and directing a dinner theatre.

Credits: 3

THAC 110: Dramatic Interpretation

Introduces the student to the analysis and interpretation of various type of literature. During the course of study, the student will become acquainted with the techniques of poetry, narrative, cold readings and reader's theatre.

Credits: 3

THAC 120: Acting: Character Study

Exploration of the characterization, text analysis and the synthesis of voice, speech and movement as well as appreciation of choices and obligation in the development of the characters.

Credits: 3

Prerequisites:

THAC 023, THAC 024. Fall semester only.

THAC 121: Acting: Scene Study

Continuation of Character Study (THAC 120) with special emphasis on character work and performance techniques.

Credits: 3

Prerequisites:

THAC 120. Spring semester only.

THAC 122: Acting: Styles I

Extension of focus upon acting of techniques and scene study and problems of form and content in poetic drama. Material of heightened prose will also be explored in terms of speech and action.

Credits: 3

Prerequisites:

THAC 121. Fall semester only.

THAC 123: Acting: Styles II

Exploration of selected styles of acting from an historical perspective.

Credits: 3

Prerequisites:

THAC 025 and THAC 122.

THAC 128: Seminar in Acting

Continuation of work in styles leading to performance in full stage production.

Credits: 3

Prerequisites:

THAC 122. Course restricted to graduating seniors in Performing Arts only. Spring semester only.

THAC 200: Theatre Workshop

A series of master classes in theatre conducted by guest artists-in-residence.

Credits: 2

Prerequisites:

Admission by consent of chairman and faculty only.

THAC 201-208: Independent Study for Each Area of Concentration

Designed by the teacher and student to pursue a particular area of interest in theatre. This is an elective course and cannot be substituted for a required course.

Credits: 4

Prerequisites:

Consent of instructor.

THAC 209-01: Drama Internship

This course is designed to provide an on-site experience and an introduction to the economic and administrative aspects of American theatre, especially as they apply to repertory, community and educational organizations.

Credits: 3

THAC 209-02: Drama Internship: Acting

This course is designed to provide an on-site internship experience for senior level actors at area theatres such as the Folger and Arena Stage.

Credits: 3

THAC 211: Acting for Film and TV (I)

This course generally taught by a guest artist, is for juniors and seniors only. A professional course which provides hands on experience in acting techniques for the camera.

Credits: 3

Prerequisites:

Consent of instructor.

THAC 212: Acting for Film and TV (II)

A continuation of THAC 211.

Credits: 3

Prerequisites:

Consent of instructor.

Dance Arts

THDN

THDN 001: Modern Dance Technique I

Beginning fundamentals of modern dance in the Katherine Dunham and/or Martha Graham technique. Fall semester.

Credits: 2

THDN 002: Modern Dance Technique II

Beginning- intermediate modern technique in Dunham and/or Graham for dance majors.

Credits: 2

Prerequisites:

THDN 001, or consent of instructor. Spring semester.

THDN 003: Modern Dance Technique III

Intermediate modern technique in Dunham and/or Graham for dance majors.

Credits: 2

Prerequisites:

THDN 002, or consent of instructor. Fall semester.

THDN 004: Modern Dance Technique IV

Intermediate-advanced levels of modern technique in Dunham and/or Graham for dance majors.

Credits: 2

Prerequisites:

THDN 003, and or consent of instructor. Spring semester.

THDN 007: Ballet I

Fundamentals and terminology of classical ballet. Fall semester.

Credits: 2

THDN 007: Ballet I (Dance Mjrs)

Emphasizes ballet discipline, develops posture, alignment, and muscular control to improve health and appearance of physical body.

Credits: 2

THDN 008: Ballet II

Development of specific approach to classical form of ballet (Cechetti, English, Bourneville, etc.)

Credits: 2

Prerequisites:

THDN 007, or consent of instructor. Spring semester.

THDN 009: Ballet III

Intermediate level of specific techniques in classical ballet (Cechetti, English, Bourneville, etc.).

Credits: 2

Prerequisites:

THDN 008, or consent of instructor. Fall semester.

THDN 015: African Dance I

Emphasis on a specific region (Ghana, Senegal, Guinea, Gambia, Ivory Coast, etc.) of traditional African dance movements, history and music. Spring semester.

Credits: 2

THDN 015: African Dance I Majors

Explores traditional movements and rhythms from Central and West Africa and is accompanied by live drumming. Focuses on the development of solid foundational skills in African dance technique. Emphasizes the cultural significance of various dances and rhythms as well as the influences of the African aesthetic in contemporary dance and culture.

Credits: 2

THDN 016: African Dance II

Examination and practice of traditional African dance movements, history and music from a specific region (Cameroon, Gabon, Rwanda, Congo, Zaire, etc.)

Credits: 2

Prerequisites:

THDN 015, or consent of instructor. Fall semester.

THDN 021: Dance Composition I

Theoretical and practical application of compositional skills in dance; movement themes and variations, motifs, etc., choreographer's role in the structuring of dance works. Fall semester.

Credits: 2

THDN 022: Dance Composition II

Continuation of Dance Composition I and application of improvisation as a choreographic tool in the creative process of compositional development.

Credits: 2

THDN 039: Artist and Dance Experience I

Course designed to experience the actual depth of dance inclusive of independent responsibilities that include assignments with instructors, artistic directors, administrators, choreographers, and dance companies.

Credits: 2

THDN 040: Artist and Dance Experience II

The continuing course that focuses on practical application of the requirements for total involvement and development as an artist preparing to enter the dance arts profession.

Credits: 2

Prerequisites:

THDN 039. Spring semester.

THDN 046: African Dance III

This course generally taught by guest artists is a studio course in application of traditional African dance movements, history, and music from a specific region (Ethiopia, Kenya, Tanzania, Mozambique, South Africa, etc.) for stage performance.

Credits: 2

Prerequisites:

THDN 016, or consent of instructor. Spring semester.

THDN 049: Maj/Mn Dance Orient I

Introduces modern dance vocabulary, including stretching and strengthening exercises, alignment, movement phrases, and basic locomotor skills. Includes performances and discussion.

Credits: 2

THDN 053: Fund. of Dance I

Fundamentals of modern dance focusing primarily on the development of techniques and creative problem solving. Basic anatomy, dance terminology, and a general overview of modern dance history.

Credits: 2

THDN 055: Dance Fundamentals III

Continuation of THDN 053 or 054.

Credits: 2

THDN 062: Contemporary Trends in Dance I

Introduction to basic issues and methods in contemporary dance. Consideration of dance as a cultural practice.

Credits: 3

THDN 065: Beginning Tap

Studio practice in the dance form derived from the traditional fast footwork steps of African Americans, using syncopated rhythms. Spring semester.

Credits: 2

THDN 072: Dance Major Movement Tech.

Focuses on how to move with greater ease, efficiency, and sense of connection in the body. Emphasizes body awareness and developmental human movement patterning

Credits: 2

THDN 075: Contemporary Trends in Dance II

A continuation of THDN 062.

Credits: 2

THDN 090: Maj/Mn Dance Orient II

For dance majors and other students with an interest in the professional dance world. Builds strength and control necessary for further advanced study.

Credits: 2

THDN 200: Dance/Theatre Practicum

Beginning study and development in performance and major production as it applies to public presentations, professional exposure and development of the music, rhythm, sound costumes, scenery design and rehearsal of choreography. Spring semester.

Credits: 2

THDN 209: Dance Internship

The dance internship is intended to be a culminating experience for students who are pursuing dance to explore career opportunities in dance fields other than, or in addition to, those with a choreographic or performance emphasis. Students can apply knowledge and skills developed in their major studies to a practical work experience

Credits: 0

THDN 300: Dance for Non-Majors

A series of dance foundation and styles to include ballet, tap, dance and hip hop.

Credits: 2

Pre-directing

THPD

THPD 030: Begin. Directing

This course introduces the principles, procedures, and practices of stage direction.

Credits: 3

THPD 031: Beginning Directing II

Continuation of THPD 030. This course introduces the principles, procedures, and practices of stage direction.

Credits: 3

Prerequisites:

THPD 030.

THPD 032: Intermediate Directing I (Styles)

Exploration into various styles of stage direction and the history of the director.

Credits: 3

Prerequisites:

THPD 030 and consent of instructor. Fall semester only.

THPD 033: Intermediate Directing II (Periods)

Focus on spot problems of individual student directors, scene work.

Credits: 3

Prerequisites:

THPD 030, THPD 032 and consent of instructor. Spring semester only.

THPD 034: Directing: Reader's Theatre/ Adaptations

This course is aimed towards learning how to adapt literature and poetry to the stage and how to direct stage readings of both new and old plays.

Credits: 3

Prerequisites:

Consent of instructor.

THPD 135: Directing Seminar: Apprenticeship/ Community or Professional Theatre

Individual projects in directing in cooperation with community or professional theatre.

Credits: 3

THPD 138: Independent Study: Directing

Designed by student and instructor to pursue a specific area of interest in directing. Project may be in cooperation with Department, community or professional theatre.

Credits: 3

Prerequisites:

Consent of instructor and THPD 030, THPD 032, THPD 033.

THPD 139: Senior Seminar

Exploration of communication between directors, actors, technicians and administrators in scene work culminating in a student directed production.

Credits: 3

Prerequisites:

Consent of instructor and THPD 190.

Musical Theatre

THMT

THMT 041

Credits: 3

THMT 042: Ear Training / Sight Singing for Musical Theatre I

This course is designed to introduce students to the concepts and techniques of sight singing. Students study a variety of methodologies including solfège, interval training, movable and immovable “do,” and relative pitch memory.

Credits: 2

Prerequisites:

Intro to Music Theory for Musical Theatre (THMT 041)

THMT 043: Ear Training / Sight Singing for Musical Theatre II

This course is designed to continue the study of reading music as a singer, pitch recognition and prediction and further analysis and training of melodic and harmonic singing. Using material from 20th century American (and international) Musical Theater pedagogy, the course provides a variety of ways into quickly reading, understanding and performing musical theater works.

Credits: 2

Prerequisites:

Ear Training / Sight Singing for Musical Theatre I (THMT 042)

THMT 044: Musical Theater Standards

This course is designed to utilize the skills of previous Ear Training courses to familiarize students with the general canon of American Musical Theater repertoire. This course is taught as an “Independent Study,” meeting only at determined days and times to review student progress.

Credits: 2

Prerequisites:

Ear Training / Sight Singing for Musical Theatre II (THMT 043)

THMT 067: Beginning Jazz

Contemporary and specific technique (traditional jazz dance, Luigi, Giordani, etc.) Spring semester.

Credits: 2

THMT 101: Musical Theatre Techniques I (THMT 101)

This course is designed to introduce students to the craft of storytelling through song. Acting techniques are combined with vocal techniques as well as exercises in lyric interpretation and dramatic shaping to bring students to honest, organic presentations of solo sung material.

Credits: 3

Prerequisites:

Acting Character / Scene Study II (THAC 024)

THMT 102: Musical Theatre Techniques II

Building on the concepts of Musical Theatre Techniques I, students expand their synthesis of musical theater through the study of scene-to-song, duets and movement.

Credits: 3

Prerequisites:

Musical Theatre Techniques I (THMT 101)

THMT 103: Musical Theatre Techniques III

The primary objective of Musical Theatre Techniques III is to build upon and further develop the concepts of storytelling through song and movement, as taught in Musical Theater Techniques I and II, through mounting a one-act book musical. Through guided instruction, students will learn how to:

Credits: 3

Prerequisites:

Musical Theatre Techniques II (THMT 102)

THMT 104: Musical Theatre Techniques IV

This primary objective of Musical Theatre Techniques IV is the successful completion of a 35-45 minute solo cabaret presentation. Classes, workshops, seminars, symposia and other supplemental coursework are all designed to bring the student to a high quality culminating performance.

Credits: 3

Prerequisites:

Musical Theatre Techniques III (THMT 103)

THMT 105: History of Music Theatre

A historical survey course of the development, progression, contributions, and structure of the musical theatre form. The course will examine related forms such as opera and musical comedy.

Credits: 3

THMT 111: Voice for Musical Theatre I

An introduction to proper vocal technique. Through the classroom/group setting, students learn about the anatomy/physiology of the voice and its usage (lectures) and fundamental exercises on building foundational vocal technique (breathing, support and placement labs).

Credits: 1

THMT 112: Voice for Musical Theatre II

Prerequisite: Voice for Musical Theatre I (THMT 111)A continuation of Voice for Musical Theatre I. Students continue foundational vocal technique study through smaller group labs. This course culminates in a "Freshman Showcase," where students apply material in conjunction with other musical theater elements in an open performance.

Credits: 1

THMT 113: Voice for Musical Theatre III

Prerequisite: Voice for Musical Theatre II (THMT 112) In one-on-one lessons, students begin delving into the uniqueness of their individual voices and how to healthily use them. Particular attention is given to unifying the registers of the voice across the passagio (una voce). Focusing on application of foundational techniques through limited, directed literature (classical vocalises and traditional musical theater), students also begin wedding technique with artistic expression.

Credits: 1

THMT 114: Voice for Musical Theatre IV

Prerequisite: Voice for Musical Theatre III (THMT 113) A continuation of Voice for Musical Theatre III. Literature is expanded to include contemporary musical theater.

Credits: 1

THMT 115: Voice for Musical Theatre V

Prerequisite: Voice for Musical Theatre IV (THMT 114) Continuing with private instruction and building on concepts and experience from Voice for Musical Theater IV, students further explore more advanced vocal techniques through more difficult and varied song selections. Students use performances (Wednesdays at Noon) to further develop skills in applying vocal technique to aid in storytelling.

Credits: 1

THMT 116: Voice for Musical Theatre

Prerequisite: Voice for Musical Theatre V (THMT 115) Further advanced vocal technique and storytelling study. Students continue their performance development through Wednesdays at Noon performances. Students explore a much larger and broader repertoire of material.

Credits: 1

THMT 117: Voice for Musical Theatre VII

Using material and repertoire gained from previous semesters of Voice for Musical Theatre I through VI, students begin choosing material for their final Senior Cabaret as well as identify songs and formally develop their Audition Book. Students study a variety of genres of music, including pop, R&B, gospel, rock, etc.

Credits: 2

Prerequisites:

Voice for Musical Theatre VI (THMT 116)

THMT 118: Voice for Musical Theatre VIII

This course is designed specifically to support the quality vocal execution of the final Senior Cabaret. Students also continue work on their Audition Book and any additional vocal material requested by the instructor.

Credits: 2

Prerequisites:

Voice for Musical Theatre VII (THMT 117)

World Languages

<http://www.coas.howard.edu/worldlanguagesandcultures>

The Department of World Languages and Cultures offers majors in French and Spanish and an undergraduate program leading to secondary teacher education certification in French and Spanish. Minors are available in German and Russian. In addition to the major and minor programs, the department offers a four-semester language sequence in Arabic, Chinese, Japanese, Korean, Portuguese, Swahili, and Wolof. A unique feature of all undergraduate programs and courses is the incorporation, where applicable and possible, of content related to African American and African contributions to the historical and sociocultural development of world cultures.

Please refer to the World Languages section of the Course Directory for listings of all languages courses offered by the department.

AMHR 001: Amharic I

This course provides an introduction to the basic language skills (speaking, listening, reading, and writing), with emphasis on proficiency.

Credits: 3

ZULU 1: Zulu I

Credits: 3

ZULU 2: Zulu II

Credits: 3

ZULU 3: Zulu III

Credits: 3

Amharic

AMHR 002: Amharic II

Credits: 3

AMHR 003: Amharic III

Credits: 3

AMHR 190: Amharic Independent Study

Credits: 3

Arabic

ARAB

COURSE DESCRIPTIONS

ARAB 001: Arabic I

This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

Credits: 3

ARAB 002: Arabic II

A continuation of ARAB 001.

Credits: 3

Prerequisites:

ARAB 001 or equivalent.

ARAB 003: Arabic III

An intermediate level course designed to further enhance speaking, listening, reading, and writing in Arabic. Cultural activities are included.

Credits: 3

Prerequisites:

ARAB 002 or equivalent.

ARAB 004: Arabic IV

A continuation of ARAB 003.

Credits: 3

Prerequisites:

ARAB 003 or equiv.

ARAB 040: Intensive Grammar Review

A core course in the major-minor sequence which includes a thorough review of and practice with major elements of French grammar.

Credits: 3

Prerequisites:

ARAB 004.

ARAB 050: Oral Expression I

A course designed to develop speaking and listening skills through a variety of instructional strategies.

Credits: 3

Prerequisites:

ARAB 004.

ARAB 051: Oral Expression II

A continuation of ARAB 050 or the equivalent.

Credits: 3

Prerequisites:

ARAB 050 or equivalent.

ARAB 190: Independent Study I

Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

ARAB 191: Independent Study II

Advanced independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

Somali

SOMA 001: Somali I

Credits: 3

SOMA 002: Somali II

Credits: 3

Chinese

CHIN

CHIN 001: Chinese I

This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

Credits: 3

CHIN 002: Chinese II

A continuation of CHIN 001.

Credits: 3

Prerequisites:

CHIN 001 or equivalent.

CHIN 003: Chinese III

An intermediate level course designed to further enhance speaking, listening, reading, and writing in Chinese. Cultural activities are included.

Credits: 3

Prerequisites:

CHIN 002 or equivalent.

CHIN 004: Chinese IV

A continuation of CHIN 003.

Credits: 3

Prerequisites:

CHON 003 or equivalent.

CHIN 050: Oral Expression I

A course designed to develop speaking and listening skills through a variety of instructional strategies.

Credits: 3

Prerequisites:

CHIN 004

CHIN 190: Independent Study

Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

CHIN 191: Independent Study II

Advanced independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

French

FREN

COURSE DESCRIPTIONS

FREN 001: French I

A course which provides an introduction to the basic language skills (comprehension, speaking, reading, and writing) with emphasis on proficiency.

Credits: 3

FREN 002: French II

Continuation of FREN 001, with additional drills to increase attention in class to the relationship between speaking and writing.

Credits: 3

Prerequisites:

FREN 001 or the equivalent.

FREN 003: French III

Continued development of audio-lingual and written skills, with reading, oral discussion and continued presentation of grammar and syntax.

Credits: 3

Prerequisites:

FREN 002 or the equivalent.

FREN 004: French IV

Intensive reading of texts dealing with literature and culture with emphasis on speaking and writing along with vocabulary expansion.

Credits: 3

FREN 012: Intensive French I & II

First part of a concentrated two-semester course that allows the student to complete the language requirement in one year. No prerequisites.

Credits: 6

FREN 013: Intensive French III & IV

Continuation of FREN 012.

Credits: 6

Prerequisites:

FREN 012 or equivalent.

FREN 014: Introduction to Humanities I

The first part of two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition.

Credits: 3

FREN 015: Introduction to Humanities II

The second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction.

Credits: 3

Prerequisites:

FREN 014.

FREN 040: Intensive Grammar Review

A core course in the major-minor sequence which includes a thorough review of and practice with major elements of French grammar.

Credits: 3

Prerequisites:

FREN 004

FREN 050: Oral Expression I

A course designed to develop speaking and listening skills through a variety of instructional strategies.

Credits: 3

Prerequisites:

FREN 004.

FREN 051: Oral Expression II

A continuation of FREN 050 or the equivalent.

Credits: 3

FREN 052: Reading and Writing Workshop

Designed to develop the specific skills of reading and writing in French.

Credits: 3

Prerequisites:

FREN 004.

FREN 055: Advanced Oral Expression

Designed to foster advanced proficiency in sustained speech in French.

Credits: 3

Prerequisites:

FREN 051 or the equivalent.

FREN 060: Textual Analysis

Transitional course designed to prepare students for the analysis of texts, studies from the literary and linguistic points of view. Develops a keener objective appraisal of the written word and permits a more refined sense of criticism.

Credits: 3

Prerequisites:

FREN 052.

FREN 064: French for the News Media

For students interested in working with the news media, includes writing of newspaper articles and preparation and interpretation of sketches for broadcasting programs etc.

Credits: 3

Prerequisites:

FREN 052 or the equivalent.

FREN 065: Simultaneous Interpretation I,

Introduces students to the basic techniques of escort, consecutive, and particularly simultaneous interpretation.

Credits: 3

Prerequisites:

3 semesters of a foreign language or the equivalent.

FREN 066: Simultaneous Interpretation II

Focuses on more advanced techniques of simultaneous and consecutive interpretation.

Credits: 3

Prerequisites:

Simultaneous Interpretation I or the equivalent.

FREN 077: Advanced Grammar and Composition

Course in advanced prose writing, stressing control of syntactic structures and stylistic devices.

Credits: 3

Prerequisites:

FREN 040.

FREN 078: Business French

Prepares students to deal with the business community and business correspondence in French.

Credits: 3

Prerequisites:

FREN 077.

FREN 080

Advanced preparations to assist students to deal with the business community and business correspondence in French.

Credits: 3

FREN 082: Survey of French Literature and Civilization I

A study of French literature of the Middle Ages through the 17th Century.

Credits: 3

Prerequisites:

FREN 060.

FREN 083: Survey of French Literature and Civilization II

A continuation of FREN 082 covering the 18th, 19th and the 20th centuries.

Credits: 3

Prerequisites:

FREN 060.

FREN 084: Survey of AFRO French Civilization and Literature

Survey of AFRO French contributions to literature and culture.

Credits: 3

Prerequisites:

FREN 060.

FREN 085: Survey of AFRO Caribbean Literature

Survey of AFRO Caribbean literature of French expression.

Credits: 3

Prerequisites:

FREN 060.

FREN 093, 094: Directed Readings for Sophomores

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

FREN 095, 096: Directed Readings for Juniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

FREN 098, 099: Senior Department Honors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

FREN 100: Francophone Literature in English

Study of masterpieces of literature in translation. Genre to be chosen by the instructor.

Credits: 3

FREN 107: Women in Literature

An introduction to the role of women in the humanities. Investigates women as authors and subjects in Philosophy, German, Russian, Classics, English and the Romance Languages. The faculty will come from the individual departments.

Credits: 3

FREN 110: Medieval French Literature

Analysis of representative works of the Middle Ages from La Chanson de Roland to Francois Villon, with the texts examined in a general socio-historical context.

Credits: 3

Prerequisites:

FREN 080.

FREN 115: Sixteenth Century: Renaissance

Examination of France's cultural heritage in the 16th century with the evolution of literary forms studied against the backdrop of cultural transformation. Readings from Ronsard, Rabelais, Du Bellay, Calvin, and Montaigne.

Credits: 3

FREN 120: Seventeenth Century Literature

Drama and Prose readings from Descartes, Pascal, Bossuet, Mme de Sevigne, Boileau, Mme de Lafayette, La Bruyere, Corneille, Moliere, and Racine.

Credits: 3

FREN 125: Eighteenth Century Literature

Survey course covering the philosophical and social ideology of the Age of Enlightenment in France.

Credits: 3

Prerequisites:

FREN 083.

FREN 130: Nineteenth Century Literature

Representative selection of writings from the literary movements of the period.

Credits: 3

FREN 140: Twentieth Century Literature

A study of major literary currents and writers from 1900 to present.

Credits: 3

FREN 150: Franco-Caribbean Civilization and Literature

Study of sociopolitical and literary trends in French-speaking countries.

Credits: 3

FREN 160: Francophone Africa: Civilization and Literature

Study of texts reflecting historical, cultural and literary evolution in Francophone Africa.

Credits: 3

FREN 171: French Linguistics

Analysis of the phonology, morphology, syntax and semantics of French.

Credits: 3

Prerequisites:

FREN 040.

FREN 172: French Phonology

Intensive study of the sounds of the French language through symbols and spellings.

Credits: 3

Prerequisites:

FREN 040.

FREN 177: Introduction to French-English Translation

Designed to develop beginning skills in translation from French into English.

Credits: 3

Prerequisites:

FREN 040.

FREN 178: Advanced French-English Translation

Continuation of FREN 177.

Credits: 3

FREN 187: Educational Methods in Foreign Language Teaching

Introduction to methods, materials, and techniques in foreign language instruction.

Credits: 3

FREN 190: Independent Study I

Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

FREN 191: Independent Study II

Advanced independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

FREN 194: Francophone Film

Study of France and francophone countries through film, from cultural, sociological and technical points of view.

Credits: 3

German

GERM

COURSE DESCRIPTIONS

GERM 001: German I

Designed to teach students to communicate in German by focusing on useful vocabulary and everyday situations. Students will acquire skills in listening, speaking, reading and writing German while gaining insight into the culture of German-speaking countries. No prerequisite.

Credits: 3

GERM 002: German II

Reinforces the range of skills practiced in German 001, while focusing on expanding the student's vocabulary and fluency. The emphasis is on active participation as a means of expanding speaking, listening, reading and writing skills introduced in German 001. Students are prepared to handle real situations in foreign culture.

Credits: 3

Prerequisites:

GERM 001 or equivalent.

GERM 003: German III

Advances study of the German language with an audiovisual approach. Literary readers are studied.

Credits: 3

Prerequisites:

GERM 002 or equivalent.

GERM 004: German IV

Advanced course in which the student reads the most recent German prose. Composition and speaking are emphasized.

Credits: 3

Prerequisites:

GERM 003 or equivalent.

GERM 005: German for Music Students

Emphasis on pronunciation of German. Intensive study of German "Lieder" texts and the 19th-century tradition from which they come.

Credits: 3

GERM 010: Scientific German

Reading course for science majors and for those pursuing the professional courses in medicine and dentistry.

Credits: 3

Prerequisites:

GERM 003 or equivalent.

GERM 011: Business German

Focuses on the German market economy, the structure of German corporations, banking system, in addition to promoting the mastery of German business terminology.

Credits: 3

GERM 012: Intensive German I

Intensive. Video-format approach to learning German based on the Dartmouth Intensive Language Model. No prerequisite.

Credits: 6

GERM 013: Intensive German II

Continuation of GERM 012.

Credits: 6

Prerequisites:

GERM 012.

GERM 014: Introduction to Humanities I,

is the first part of a two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition.

Credits: 3

GERM 015: Introduction to Humanities II,

is the second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Prerequisite is Humanities I.

Credits: 3

GERM 040: Intensive Grammar Review

A core course in the major-minor sequence which includes a thorough review of and practice with major elements of French grammar.

Credits: 3

Prerequisites:

GERM 004.

GERM 065: Simultaneous Interpretation I,

Introduces students to the basic techniques of escort, consecutive, and particularly simultaneous interpretation.

Credits: 3

Prerequisites:

3 semesters of a foreign language or the equivalent. GERM 004 or equivalent.

GERM 066: Simultaneous Interpretation II,

Focuses on more advanced techniques of simultaneous and consecutive interpretation.

Credits: 3

Prerequisites:

Simultaneous Interpretation I or the equivalent.

GERM 084, 085: Directed Readings for Sophomores

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

GERM 088, 089: Directed Readings for Juniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

GERM 092, 093: Senior Departmental Honors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

GERM 100: Individual and Society

Centers around the success or failure of the individual coming to terms with society, as presented by selected German writers. Divisional Studies A. Open to all students. No knowledge of German required.

Credits: 3

GERM 101: Literature of Love

Explores the concept of "love" in the Western world. It begins with a representative work from the Age of Courtly Love and ends with a contemporary work about a child who is denied love, *The Bluest Eye*. Divisional Studies A. Open to all students. No knowledge of German required.

Credits: 3

GERM 107: Women in Literature

An introduction to the role of women in the humanities. Investigates women as writers and their contributions to the disciplines of philosophy. German, Russian, classics, English and the Romance languages. Because of the interdisciplinary nature of the course, it will be team-taught by faculty from the departments in the Humanities Division. (See also CLAS 107; ENGL 107; FREN 107; and HUM 108).

Credits: 3

GERM 109: Northern Myths and Legends

A survey of the great myths, epics and romances in Icelandic, Welsh, German, French and English medieval literature. Divisional Studies A. Open to all students. No knowledge of German required.

Credits: 3

GERM 111: Classic Films in English

Acquaints students with 14 classic German and Soviet films, the historical eras they depict, and their importance to the history of film-making. Divisional Studies A. Open to all students. No knowledge of German required.

Credits: 3

GERM 112: Scandinavian Films and Dramas

A multi-media course surveying the dramas of Ibsen and Strindberg and the films of Ingmar Bergman. No prerequisites. Open to all students.

Credits: 3

GERM 114: The Film and the Novel

Discussion of a select number of novels (or novellas) in comparison with their film versions, emphasizing the virtues and the limitations of each art form. No prerequisites. Open to all students.

Credits: 3

GERM 115: Marxism and Literature

An introduction to Marxist interpretations of literature, and the arts in general from Marx and Engels to the present. No prerequisites. Open to all students.

Credits: 3

GERM 116: Freud, Jung and Literature,

Explores the trends in 20th-century criticism to interpret literature from a psychoanalytical point of view. No prerequisites. Open to all students.

Credits: 3

GERM 117: Folklore and Fairytale

An exploration of the rich German tradition of folklore and fairytales. No prerequisites. Open to all students.

Credits: 3

GERM 118: The Holocaust in Film and Literature

A study of the attempts of writers and filmmakers to reflect on the horrors of the Nazi holocaust. No prerequisites. Open to all students.

Credits: 3

GERM 119: The Third Reich Through Films

Explores a wide variety of classical films about the Third Reich. The films selected will offer different points of focus. No prerequisites. Open to all students.

Credits: 3

GERM 120: Exile Literature

Analyzes the works of German authors in exile. Emphasis will be placed on the German writers in the United States and Brazil. Reading knowledge of German required.

Credits: 3

GERM 121: Contrasts in German and American Cultures

Explores the links between German and American cultures, emphasizing how the German past has shaped American educational, political and artistic institutions. No prerequisites. Open to all students.

Credits: 3

GERM 125: Oral Proficiency I

Designed to strengthen the student's oral command of the German language.

Credits: 3

Prerequisites:

GERM 003.

GERM 126: Oral Proficiency II

Continuation of GERM 125.

Credits: 3

Prerequisites:

GERM 125.

GERM 127: Written Proficiency I

Practical exercise in the writing of German expository prose.

Credits: 3

Prerequisites:

GERM 140.

GERM 128: Written Proficiency II

Continuation of GERM 127.

Credits: 3

Prerequisites:

GERM 127.

GERM 130: Introduction to Literary Studies

Guides students through the secondary works (literary histories, periodicals and bibliographies), methodological approaches of the basic schools of literary critics and literary genres. For majors and minors.

Credits: 3

Prerequisites:

GERM 004.

GERM 131: Survey of German Language

Diachronic and synchronic survey of the German language from Gothic to New High German.

Credits: 3

Prerequisites:

GERM 127.

GERM 140: Introduction to German Literature

Designed to acquaint the student with the major authors and literary movements from the 18th century to the present.

Credits: 3

Prerequisites:

GERM 004.

GERM 145: German Culture

Survey of German culture from Martin Luther to 1815. Divisional Studies B. Open to all students.

Credits: 3

GERM 146: German Culture

Survey of German culture from 1815 to 1945. Divisional Studies B. Open to all students.

Credits: 3

GERM 147: Contemporary Germany

Deals with the historical, economic, political, educational and artistic factors which bind as well as divide the former Federal Republic of Germany and the former German Democratic Republic. No prerequisites. Open to all students.

Credits: 3

GERM 151: German Literature of the Enlightenment and Sturm und Drang

Survey of major German writers and thinkers of the 18th century.

Credits: 3

Prerequisites:

GERM 140.

GERM 152: German Literature of Classicism and Romanticism

Survey of German literature of the late 18th and early 19th centuries.

Credits: 3

Prerequisites:

GERM 140.

GERM 153: German Literature From Biedermeier to Realism

Survey of the major writers and literary movements of the period 1820-1890.

Credits: 3

Prerequisites:

GERM 140.

GERM 154: German Literature From Naturalism to Expressionism

Survey of the movements of Naturalism, Symbolism and New Romanticism, tracing the development to the emergence of Expressionism and its continuation.

Credits: 3

Prerequisites:

GERM 140.

GERM 155: German Literature After 1945

Comprehensive survey of German literature from 1945 to the present.

Credits: 3

Prerequisites:

GERM 140.

GERM 160: German Drama

A survey of the theory and practice of works written for the German stage from Lessing to the present.

Credits: 3

Prerequisites:

GERM 140.

GERM 161: German Novel

The study of the structure of the novel from the Baroque to the present, as exemplified in representative works.

Credits: 3

Prerequisites:

GERM 140.

GERM 162: German Lyric Poetry

Traces the changes of the poetic idiom of German poetry from Klopstock to the present. The change in the basic assumptions about nature and the role of poetry is discussed as exemplified by representative texts.

Credits: 3

Prerequisites:

GERM 140.

GERM 163: The German Novella

The theory and development of this short narrative form from the age of Goethe to the 20th century.

Credits: 3

Prerequisites:

GERM 140.

GERM 170: Goethe

Survey of the major works of Goethe.

Credits: 3

Prerequisites:

GERM 140.

GERM 171: Schiller

Survey of the major works of Schiller.

Credits: 3

Prerequisites:

GERM 140.

GERM 172: Heinrich Kleist

Survey of the major works of Kleist.

Credits: 3

Prerequisites:

GERM 140.

GERM 173: Heinrich Heine,

An examination of Heine's work as a poet, an essayist, and a polemicist.

Credits: 3

Prerequisites:

GERM 140.

GERM 174: Fontane

Survey of the major works of Fontane.

Credits: 3

Prerequisites:

GERM 140.

GERM 175: Rilke

A general introduction to Rilke's poetry and prose with special emphasis on his early plays and his development from *Buch der Bilder* to *Die Sonette an Orpheus*

Credits: 3

Prerequisites:

GERM 140.

GERM 176: Kafka

A survey of the major works of Kafka.

Credits: 3

Prerequisites:

GERM 140.

GERM 177: Brecht

In-depth analysis of the works of this major dramatist and poet of the 20th century.

Credits: 3

Prerequisites:

GERM 140.

GERM 178: German Folklore,

In-depth analysis of the rich heritage of German folklore. Prerequisite GERM 140.

Credits: 3

GERM 179: Proseminar: Negritude and Germany

Focuses on the reception of AFRO American, African and Caribbean authors in Germany, as well as the German influence on some of their works. Reading knowledge of German and French required.

Credits: 3

Haitian Creole

HACR

HACR 001: Haitian Creole I

This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

Credits: 3

HACR 002: Haitian Creole II

A continuation of HACR 001.

Credits: 3

HACR 003: Haitian Creole III

An intermediate level course designed to further enhance speaking, listening, reading, and writing in Haitian Creole. Cultural activities are included.

Credits: 3

Prerequisites:

HACR 002 or equivalent.

HACR 004: Haitian Creole IV

A continuation of HACR 003.

Credits: 3

HACR 190: Independent Study I

Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

HACR 191: Independent Study II

Advanced independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

Japanese

JAPN

COURSE DESCRIPTIONS

JAPN 001: Japanese I

This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

Credits: 3

JAPN 002: Japanese II

A continuation of JAPN 001.

Credits: 3

JAPN 003: Japanese III

An intermediate level course designed to further enhance speaking, listening, reading, and writing in Japanese. Cultural activities are included.

Credits: 3

Prerequisites:

JAPN 002 or equivalent.

JAPN 004: Japanese IV

A continuation of JAPN 003.

Credits: 3

JAPN 040: Intensive Grammar Review

A core course in the major-minor sequence which includes a thorough review of and practice with major elements of French grammar.

Credits: 3

Prerequisites:

JAPN 004.

JAPN 050: Oral Expression I

A course designed to develop speaking and listening skills through a variety of instructional strategies.

Credits: 3

Prerequisites:

JAPN 004.

JAPN 190: Independent Study I

Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

JAPN 191: Independent Study II

Advanced independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

Korean

KORE

KORE 001: Korean I

This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

Credits: 3

KORE 002: Korean II

A continuation of KORE 001.

Credits: 3

KORE 003: Korean III

An intermediate level course designed to further enhance speaking, listening, reading, and writing in Korean. Cultural activities are included.

Credits: 3

Prerequisites:

KORE 002 or equivalent.

KORE 004: Korean IV

A continuation of KORE 003.

Credits: 3

Portuguese

PORT

PORT 001: Elementary Brazilian Portuguese

This course provides an introduction to the basic language skills (speaking, listening, reading, and writing), with emphasis on the communicative approach.

Credits: 4

PORT 002: Elementary Brazilian Portuguese

Continued development of the basic language skills in Portuguese through integration of classroom drills and language exercises.

Credits: 4

Prerequisites:

PORT 001 or the equivalent.

PORT 003: Intermediate Brazilian Portuguese

Continuation of the development of communicative skills with reading and oral discussion. Also includes an introduction to Luso-Brazilian culture and introduces selections by AFRO Brazilian writers.

Credits: 3

PORT 004: Intermediate Brazilian Portuguese

Continued reading of selections by AFRO Brazilian writers, with intensive readings on topics of Luso-Brazilian culture and expansion of vocabulary useful for conversation and composition.

Credits: 3

PORT 040: Intensive Grammar Review

A core course in the major-minor sequence which includes a thorough review of and practice with major elements of French grammar.

Credits: 3

Prerequisites:

PORT 004.

PORT 050: Oral Expression I

A course designed to develop speaking and listening skills through a variety of instructional strategies.

Credits: 3

Prerequisites:

PORT 004.

PORT 190: Independent Study I

Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

PORT 191: Independent Study II

Advanced independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

Russian

RUSS

COURSE DESCRIPTIONS

RUSS 001: Russian I

A classroom approach to the basic spoken as well as written elements of the language. No prerequisite, but no credit is given for this course unless RUSS 002 is also completed.

Credits: 3

RUSS 002: Russian II

Intensified continuation of RUSS 001, with more emphasis on reading.

Credits: 4

Prerequisites:

RUSS 001 or its equivalent.

RUSS 003: Russian I

Advanced, audio-lingual study of the Russian language, in which literary readers are studied.

Credits: 3

Prerequisites:

RUSS 002 or its equivalent.

RUSS 004: Russian II

Advanced course in which students read the most recent Russian prose, with emphasis on the development of written and oral skills.

Credits: 3

Prerequisites:

RUSS 003 or its equivalent.

RUSS 005: Intensive Russian I

First part of a concentrated two-semester course that allows the student to complete the language requirement in one year.

Credits: 6

RUSS 006: Intensive Russian II

Continuation of 060-005.

Credits: 6

Prerequisites:

RUSS 005.

RUSS 010: Business Russian

Advanced course that familiarizes the student with the basic concepts and terminology used in commercial transactions in Russian.

Credits: 3

Prerequisites:

One year of Russian.

RUSS 014: Introduction to Humanities I,

is the first part of a two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition.

Credits: 3

RUSS 015: Introduction to Humanities II,

is the second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Prerequisite is Humanities I.

Credits: 3

RUSS 020: Simultaneous Interpretation I,

Introduces students to the basic techniques of escort, consecutive, and particularly simultaneous interpretation.

Credits: 3

Prerequisites:

3 semesters of a foreign language or the equivalent.

RUSS 021: Simultaneous Interpretation II,

Focuses on more advanced techniques of simultaneous and consecutive interpretation.

Credits: 3

Prerequisites:

Simultaneous Interpretation I or the equivalent.

RUSS 084, 085: Directed Readings for Sophomores

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. A Honors course.

Credits: 1

RUSS 088, 089: Directed Readings for Juniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. A Honors course.

Credits: 1

RUSS 092, 093: Senior Departmental Honors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor. A Honors course.

Credits: 3

RUSS 100: Great Short Stories

Involves the reading of Russian short stories. Open to all students and no knowledge of Russian is required. Divisional Studies A.

Credits: 3

RUSS 101: Literature of Revolution

Presents major works of Russian literature in English translation. Open to all students, and no knowledge of Russian is required. Divisional Studies A.

Credits: 3

RUSS 103: Love and Hate

Survey in English of the outstanding Russian classics such as Anna Karenina. No knowledge of Russian is required. Divisional Studies A.

Credits: 3

RUSS 109: Slavic Mythology

Presents Slavic myths from ancient through historical times.

Credits: 3

RUSS 111: Classic Films in English

Acquaints students with 14 classic German and Soviet movies, the historical eras they depict, and their importance in the history of film. Films will be discussed. Divisional Studies A. Open to all students. No knowledge of German or Russian required.

Credits: 3

RUSS 117: Russian Science Fiction in Translation

Study of the major trends of science fiction in the works of modern Russian authors. No knowledge of Russian is required.

Credits: 3

RUSS 125: Russian Composition

Designed to improve the student's Russian reading and writing skills.

Credits: 3

Prerequisites:

RUSS 004.

RUSS 126: Russian Conversation

Stresses the development of oral communication skills.

Credits: 3

RUSS 127: Advanced Russian Composition and Conversation

Continuation of RUSS 125 and RUSS 126 for majors and minors in Russian.

Credits: 3

RUSS 140: Old Russian and Eighteenth-Century Literature

Survey of the history of the Russian language and the first major literary efforts through the 18th century.

Credits: 3

RUSS 141: Russian Romanticism: Pushkin to Gumilev

Study of 19th-century Russian authors whose works mark a departure from the formalism of French classicism to the free-spirited emotionalism of German and English romanticism.

Credits: 3

RUSS 145: Russian Culture

Examines the development of Russian political and social institutions and intellectual currents. Divisional Studies B. Open to all students. No knowledge of Russian required.

Credits: 3

RUSS 146: Politics of Culture

Analyzes the former Soviet Union and its political, social, and intellectual institutions. Divisional Studies B. Open to all students. No knowledge of Russian required.

Credits: 3

RUSS 150: The Three Rs: Revolution, Rebellion, Resignation

Survey of Russian and Soviet works that reflect the political aspirations and disillusionment of the Russian people. Divisional Studies B. Open to all students. No knowledge of Russian required.

Credits: 3

RUSS 170 through 032-173: Seminars

Special literary and cultural topics are selected for in-depth discussion each seminar.

Credits: 3

RUSS 174: Dissident Voices in Russian Art and Literature

Studies the works of writers and artists banned by the Soviet government.

Credits: 3

RUSS 188: History of the Russian Language

Readings and discussion of development and structure of the Russian language in context with other Slavic languages.

Credits: 3

RUSS 189: Literature of the Seventeenth Century

Readings in Russian in the beginnings of modern Russian literature; theories of poetics and poetic language; development of genres (satire, tragedy, odes); and beginning of investigative journalism in Russian literature.

Credits: 3

RUSS 190: Literature of the Nineteenth Century

Readings in Russian and discussion of the classics of Russian literature, including Pushkin, Gogol, Dostoevsky, and Tolstoy.

Credits: 3

RUSS 191: Old Church Slavonic

Study and analysis of ancient Slavic texts.

Credits: 3

RUSS 192: Russian Realism

Examines Russian literature, including Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov.

Credits: 3

RUSS 193: Soviet Poetry

Consists of reading and discussion of poetry written since the Russian Revolution.

Credits: 3

RUSS 198: Structure of Russian

Synchronic linguistic analysis of the Russian language.

Credits: 3

Spanish

SPAN

COURSE DESCRIPTIONS

SPAN 001: Spanish I

This course provides an introduction to the basic language skills (speaking, listening, reading, and writing), with emphasis on proficiency.

Credits: 3

SPAN 002: Spanish II

Continued development of the basic language skills in Spanish through integration of classroom drills and language exercises.

Credits: 3

Prerequisites:

SPAN 001 or the equivalent.

SPAN 003: Spanish III

Continuation of the development of audiolingual skills, with reading and oral discussion. Also includes an introduction to Hispanic culture and review of grammar and syntax. Prerequisite: SPAN 002 or the equivalent.

Credits: 3

SPAN 004: Spanish IV

Intensive reading of topics of Hispanic literature and culture, with emphasis on composition and conversation, along with vocabulary expansion.

Credits: 3

Prerequisites:

SPAN 003 or the equivalent.

SPAN 014: Introduction to Humanities I

The first part of two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition.

Credits: 3

SPAN 015: Introduction to Humanities II

The second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction.

Credits: 3

Prerequisites:

SPAN 014.

SPAN 040: Intensive Grammar Review

A core course in the major-minor sequence which includes a thorough review of and practice with major elements of Spanish grammar.

Credits: 3

Prerequisites:

SPAN 004.

SPAN 050: Oral Expression I

A course designed to develop speaking and listening skills through a variety of instructional strategies.

Credits: 3

Prerequisites:

SPAN 004.

SPAN 051: Oral Expression II

A continuation of SPAN 050 or its equivalent.

Credits: 3

SPAN 052: Reading and Writing Workshop

Designed to develop the specific skills of reading and writing in Spanish.

Credits: 3

Prerequisites:

SPAN 004.

SPAN 055: Advanced Oral Expression I

An advanced level course to develop aural/oral fluency in Spanish.

Credits: 3

Prerequisites:

SPAN 051 or its equivalent.

SPAN 060: Textual Analysis

Introduction to literary texts and terminology through the reading of representative genres studied and interpreted from a literary and linguistic point of view.

Credits: 3

Prerequisites:

SPAN 052.

SPAN 064: Spanish for the News Media

Intended for students interested in the news media. Includes writing news articles and preparing and interpreting broadcasting programs for radio and television.

Credits: 3

Prerequisites:

SPAN 040 or equivalent.

SPAN 065: Simultaneous Interpretation I,

Introduces students to the basic techniques of escort, consecutive, and particularly simultaneous interpretation.

Credits: 3

Prerequisites:

3 semesters of a foreign language or the equivalent.

SPAN 066: Simultaneous Interpretation II,

Focuses on more advanced techniques of simultaneous and consecutive interpretation.

Credits: 3

Prerequisites:

Simultaneous Interpretation I or the equivalent.

SPAN 077: Advanced Composition

Course in advanced prose writing stressing control of syntactic structures and stylistic devices.

Credits: 3

Prerequisites:

SPAN 040.

SPAN 078: Business Spanish

Prepares students to deal with the business community and business correspondence in Spanish.

Credits: 3

Prerequisites:

SPAN 077.

SPAN 080: Survey of Spanish Literature I

A survey of Spanish literature in a historical and cultural context from the Middle Ages to 1700.

Credits: 3

Prerequisites:

SPAN 060.

SPAN 081: Survey of Spanish Civilization and Literature II

Continuation of SPAN 080 from 1700 to present.

Credits: 3

Prerequisites:

SPAN 080.

SPAN 083: Survey of Latin American Literature and civilization I

A survey of Latin American literature in a historical and cultural context from the pre-Colombian era to 1900.

Credits: 3

Prerequisites:

SPAN 060.

SPAN 084: Survey of Latin American Literature and civilization II

A continuation of SPAN 083 from 1900 to the present.

Credits: 3

SPAN 085: Survey of AFRO Hispanic Literature

Survey of AFRO Hispanic contributions to Spanish and Spanish American literature and culture.

Credits: 3

Prerequisites:

SPAN 060.

SPAN 089: Hispanic Peoples and Cultures

A course on the sociopolitical institutions, literary and other cultural contributions of the peoples of the Spanish-speaking world.

Credits: 3

Prerequisites:

SPAN 060.

SPAN 093, 094: Readings for Sophomores

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

SPAN 095, 096: Directed Readings for Juniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

SPAN 098, 099: Seniors Honors Thesis

Support of the conceptualization, development, and writing of a thesis or capstone project by a faculty member.

Credits: 3

SPAN 100: Hispanic Literature in English

Consists of selected readings, in translation, of masterpieces of Spanish and Spanish-American literature.

Credits: 3

SPAN 101: AFRO Hispanic Literature in English

Course is designed to present a survey of translated literature from medieval to contemporary periods by and about people of African descent in Spain and Spanish America. Class discussion is in English.

Credits: 3

SPAN 107: Women in Literature

An introduction to the role of women in the humanities, the course will investigate women as authors and subjects in philosophy, German, Russian, classics, English, and the romance languages. According with its interdisciplinary character, the faculty will come from all these departments.

Credits: 3

SPAN 110: Medieval Literature

An approach to Spanish literature from 1100 to 1500, with detailed study of the Cantar de mio Cid, Milagros de Nuestra Senora, El conde Lucanor, and the Libro de buen amor.

Credits: 3

SPAN 120: Drama and Poetry of the Golden Age

Study of the evolution of Spanish verse and theater during the sixteenth and seventeenth centuries.

Credits: 3

SPAN 121: Prose of the Golden Age

Comprehensive study of the mystic, didactic, fictional, historical, and satirical prose of the sixteenth and seventeenth centuries, with emphasis on Cervantes and the picaresque novel.

Credits: 3

SPAN 130: Eighteenth and Nineteenth Century Literature

Presentation of the major authors in Spanish literature of the 18th and 19th centuries.

Credits: 3

SPAN 141: Twentieth Century Literature

An approach to the prose, drama, and poetry of 20th century Spain.

Credits: 3

SPAN 150: Literature of Spanish America I

Study of selected authors and works representative of colonial and 19th century Spanish-American literature.

Credits: 3

SPAN 151: Literature of Spanish America II

Study of selected authors and works representative of Spanish American literature from the turn of the century to the present.

Credits: 3

SPAN 160: AFRO Hispanic Literature and Civilization

Survey of the role and image of black men and women in Spain and Spanish America as interpreted in literature.

Credits: 3

SPAN 171: Spanish Linguistics

Introduction to the phonological, morphosyntactic and semantic systems of Spanish.

Credits: 3

SPAN 172: Spanish Phonology

Treats the sound system and properties of the Spanish language. Prerequisite SPAN 171.

Credits: 3

SPAN 177: Introduction to Spanish-English Translation

Introduces the student to the profession of translation and interpretation and will aim to develop his/her ability to prepare translation from Spanish into English, and to expand the student's vocabulary in both Spanish and English.

Credits: 3

SPAN 178: Advanced Spanish-English Translation

Continuation of training students in translation and interpretation, developing their ability to prepare translation from Spanish into English and to expand the student's vocabulary in both Spanish and English.

Credits: 3

SPAN 187: Educational Methods in Foreign Language Teaching

Introduction to methods, materials, and techniques in foreign language instruction.

Credits: 3

SPAN 190: Independent Study I

Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

SPAN 191: Independent Study II

Advanced independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

SPAN 194: Spain and Latin America Through Film

A study of Spain, Spanish-speaking countries, and Brazil through film, from cultural, sociological and technical points of view.

Credits: 3

Swahili

SWAH

COURSE DESCRIPTIONS

SWAH 001: Swahili I

This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

Credits: 3

SWAH 002: Swahili II

A continuation of SWAH 001.

Credits: 3

SWAH 003: Swahili III

An intermediate level course designed to further enhance speaking, listening, reading, and writing in Swahili. Cultural activities are included.

Credits: 3

Prerequisites:

SWAH 002 or equivalent.

SWAH 004: Swahili IV

A continuation of SWAH 003.

Credits: 3

SWAH 040: Swahili Intensive Grammar Review

A core course in the major-minor sequence which includes a thorough review of and practice with major elements of Spanish grammar.

Credits: 3

Prerequisites:

SWAH 004.

SWAH 050: Swahili Oral Expression I

A course designed to develop speaking and listening skills through a variety of instructional strategies.

Credits: 3

Prerequisites:

SWAH 004.

SWAH 052: Swahili Reading and Writing Workshop

Designed to develop the specific skills of reading and writing in Spanish.

Credits: 3

Prerequisites:

SWAH 004.

SWAH 190: Swahili Independent Study I

Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

SWAH 191: Swahili Independent Study II

Advanced independent study/research under the guidance of a faculty advisor or the equivalent.

Credits: 3

Prerequisites:

Permission of Instructor.

Wolof

WOLO

WOLO 001: Wolof I

This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

Credits: 3

WOLO 002: Wolof II

A continuation of WOLO 001.

Credits: 3

WOLO 003: Wolof III

An intermediate level course designed to further enhance speaking, listening, reading, and writing in Wolof. Cultural activities are included.

Credits: 3

Prerequisites:

WOLO 002 or equivalent.

WOLO 004: Wolof IV

A continuation of WOLO 003.

Credits: 3

WOLO 190: Wolof Independent Study

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

Anthropology

ANTH

ANTH 110: Introduction to Cultural Anthropology

Provides a background for understanding human nature and an appreciation for cultural diversity. Focuses on the basic concepts of culture and surveys the science and practice of anthropology in relation to contemporary global issues.

Credits: 3

ANTH 120: Introduction to Biological Anthropology

Focuses on the nature and scope of biological anthropology, human evolution, genetics, "race", health, and changing relationships between the environment, culture, and human biology.

Credits: 3

ANTH 130: Introduction to Archaeology

Survey course designed to provide an evolutionary perspective on contemporary global cultural patterns showing how transformations, though occurring in the deep past, constitute profound forces in modern global society and in everyday life.

Credits: 3

ANTH 140: Introduction to Linguistics

Explores the nature of language, its morphological, phonological, and syntactic structure, and the role of the linguist in the study of language.

Credits: 3

ANTH 141: Language and Culture

Focuses on the ethnographic study of language and the interrelationship between language and culture. Language variation is examined in the light of such features as social class, ethnicity, gender, standard and non-standard language, pidgins, and creoles.

Credits: 3

ANTH 210: Magic, Witchcraft, and Healing

Analyzes the relationships of magic, witchcraft, religion, and healing and their significance in understanding our own cultures as well as Third World societies and other parts of the world.

Credits: 3

ANTH 211: Gender Roles and Relations

Examination of cross-cultural gender roles. Also examines U.S. public policies and laws affecting women, men, and children.

Credits: 3

ANTH 212: Education and Culture

Application of anthropological concepts to the analysis of educational processes in different cultures and in the U.S.

Credits: 3

ANTH 213: Cultural Roots of Environmental Crises

Explores cultural dimensions of global environmental degradation to identify root causes and viable solutions. Comparison of tribal environmental perceptions and production and consumption patterns with our own; evaluates the roles of population and technology, world hunger and quality of life issues.

Credits: 3

ANTH 214: Anthropological Theory

Surveys anthropological theories from a historical perspective. Considers current theoretical issues, debates, and the relationship between theory and practice.

Credits: 3

ANTH 215: Medical Anthropology

Considers the patterns of health and disease from a multidisciplinary perspective. The focus is on the diversity of health beliefs and practices, variation in health care systems, contemporary global health concerns and ethical issues.

Credits: 3

Prerequisites:

Introduction to Biological Anthropology, or Introduction to Cultural Anthropology, or permission of instructor.

ANTH 216: Economic Anthropology

Comparison of modern economic theory with anthropological analysis of pre-capitalist, non-Western and Third World political economies. Discusses band, tribe, chiefdom, early state, peasant, market, and world economic systems and how these systems interact with social and religious systems at national and/or community levels.

Credits: 3

ANTH 217: Aging in Cross-Cultural Perspective

An examination of the ways different cultures regard the aged and the process of aging. Topics include attitudes toward aging, the treatment of the aged, and the social, economic, and political aspects of growing old among men and women in different cultures.

Credits: 3

ANTH 218: Cultural Ecology

Reviews the processes of human biocultural adaptation to the world's various biotopes: tropical, sub-tropical, temperate, island and arctic by means of foraging, agriculture, regional and world trade. Discussions will include environmental description and selective reciprocal relationships between key environmental elements.

Credits: 3

ANTH 219: Ethnolinguistics

Field Methods. Exploration of the methodology in conducting competent, meaningful, ethical field work with emphasis on practical experience. (The student has a choice of section or field of interest as presented below).

Credits: 3

ANTH 219: Ethnolinguistics

Students will conduct ethnography of communication focusing on selected topics or events as they relate to speech communities applying participant-observation techniques, interviews, and other methods of field work.

Credits: 3

ANTH 220: Biology and Culture

The course involves a critical evaluation of historical and current anthropological theories concerning human variation and the concept of race. It examines the various approaches to the relationships between human biology and sociocultural structures and behavior.

Credits: 3

ANTH 221: Human Osteology

Field Methods. Exploration of the methodology in conducting competent, meaningful, ethical field work with emphasis on practical experience. (The student has a choice of section or field of interest as presented below).

Credits: 3

ANTH 221: Human Osteology

Detailed study of the techniques used in the analysis of skeletal material focusing on identification of age, sex, growth, and repair, pathology, and measurement.

Credits: 3

ANTH 222: Ethnography

Field Methods. Exploration of the methodology in conducting competent, meaningful, ethical field work with emphasis on practical experience. (The student has a choice of section or field of interest as presented below).

Credits: 3

ANTH 222: Ethnography

Exploration of the techniques used in recording or describing the culture, customs, beliefs, and values of specific peoples or of individual societies.

Credits: 3

ANTH 230: Method and Theory in Archaeology

Field Methods. Exploration of the methodology in conducting competent, meaningful, ethical field work with emphasis on practical experience. (The student has a choice of section or field of interest as presented below).

Credits: 3

ANTH 230: Method and Theory in Archaeology

This course reviews the history, goals, and theoretical approaches used in modern archaeology; discusses field methods in survey and excavation, data recording, dating, material analyses, and the reconstruction of ancient lifeways.

Credits: 3

ANTH 249: Urban Anthropology

This course explores urbanism and the process of urbanization. The focus is on understanding the development and history of cities from prehistoric evidence to an investigation of the patterns and complexities of contemporary urban life. Various theoretical approaches and cross-cultural ethnographic studies help explain the lifeways of people in cities.

Credits: 3

ANTH 250: Applied Anthropology

The application of anthropological principles to the solution of practical problems.

Credits: 3

Prerequisites:

Introduction to Cultural Anthropology, Introduction to Biological Anthropology, or Introduction to Archaeology or by permission of instructor.

ANTH 260: Independent Study

Pre-approved in-depth study of a specific topic in field of interest. Student needs approval of instructor in order to register. Section 1: Cultural Anthropology Section 2: Biological Anthropology Section 3: Archaeology Section 4: Linguistics

Credits: 3-6

Classics

CLAS

COURSE DESCRIPTIONS

CLAS 001: Elementary Latin I

The fundamentals of the language and reading of simple prose, with supplementary reading on Roman civilization. Not open to students who have received admission credit in Latin.

Credits: 4

CLAS 002: Elementary Latin II

Continuation of 001, with increased emphasis on reading.

Credits: 4

Prerequisites:

CLAS 001.

CLAS 003: Intermediate Latin III

Review of the language and selected readings in prose and poetry.

Credits: 3

Prerequisites:

Two or three units of secondary Latin or CLAS 002.

CLAS 004: Intermediate Latin IV

Includes the reading of selections from major authors, usually in poetry.

Credits: 3

Prerequisites:

three or four units of secondary Latin or CLAS 003.

CLAS 006: Hieroglyphs I

Introduction to Middle Egyptian language and writing, including grammar and translation of inscriptions and narratives.

Credits: 3

CLAS 007: Hieroglyphs II

Continuation of CLAS 006, with increased emphasis on reading.

Credits: 3

CLAS 010: Elementary Greek I

Fundamentals of the language and the reading of simple Attic prose, with supplementary reading on Greek civilization.

Credits: 4

CLAS 011: Elementary Greek II

Continuation of CLAS 010, with increased emphasis on reading.

Credits: 4

Prerequisites:

CLAS 010.

CLAS 012: Intermediate Greek III

Review of the language and selected readings.

Credits: 3

Prerequisites:

two or three units of secondary Greek or CLAS 011.

CLAS 013: Intermediate Greek IV

Includes the reading of selections from major authors.

Credits: 3

Prerequisites:

Three or four units of secondary Greek or CLAS 012.

CLAS 014: Introduction to Humanities I

The first part of a two-semester core course for freshmen, designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition. Satisfies Divisional Studies A requirement.

Credits: 3

CLAS 015: Introduction to Humanities II

The second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Satisfies Divisional Studies A requirement.

Credits: 3

CLAS 016: Ideas in Antiquity

This course focuses on the study of various major themes in the study of the ancient world. Consistent with the interests of the instructor, the emphasis will fall on those literary, philosophical, historical, and political texts which are pertinent to an investigation of notions such as gender, the hero, freedom, religion, justice, and so on. Satisfies Divisional Studies A requirement.

Credits: 3

CLAS 030: Vocabulary Building

Systematic study of Greek and Latin elements of English words, the history of English words, and principles of word formation. Develops the student's ability to interpret unfamiliar words in context.

Credits: 3

CLAS 032: Ancient Medicine

Systematic study of Greek and Latin elements found in medical terminology, together with the principles of word formation. This etymological aspect is placed within the broader context of the origins and evolution of ancient medicine. Recommended for students who anticipate careers in medicine.

Credits: 3

CLAS 033: Legal Terminology

Systematic study of Greek and Latin elements found in modern legal terminology, together with the principles of word formation. Develops the student's ability to recognize and interpret legal terms in context.

Recommended for students who anticipate careers in law or government.

Credits: 3

CLAS 050: Ancient Egypt & the Near East

Cultural interactions among societies in the Eastern Mediterranean left lasting contributions to world civilization, from the introduction of cities and writing systems to the emergence of large-scale empires. The course focuses on literature & orality, on ideas & beliefs (particularly the Hebrew Bible), and on art & archaeology. Required for the *Interdisciplinary Humanities: Ancient and Modern* major; open to non-majors, Division A course.

Credits: 3

CLAS 079: General Literature Honors

An intensive study and discussion of classical texts that have been chosen for their significance to the development of what has come to be called western culture. The main objective is to consider particular conceptions of what it means to be human and to consider the place of such conceptions in the development of critical thought. Participation is limited to students in the COAS Honors Program. Division A Course.

Credits: 3

CLAS 081: Honors Humanities Seminar I

This course will cover the history of Israel from Biblical through Roman times as a context for the emergence of Christianity. Participation is limited to students in the COAS Honors Program. Division A Course.

Credits: 3

CLAS 082: Honors Humanities Seminar II.

An exploration of nature and origins of apocalyptic thinking, beginning with 2nd Temple Jewish and early Christian texts. The second half of the seminar focuses on modern expressions of apocalypticism in religion, politics, literature, film, and popular culture. Participation is limited to students in the COAS Honors Program. Division A Course.

Credits: 3

CLAS 085: Directed Reading for Sophomore Honors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

CLAS 089: Directed Reading for Junior Honors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

CLAS 090: Honors Social Science Seminar

Advanced study of topics in Greek and Latin literature, ancient history, ancient philosophy, classical civilization, and/or linguistics, arranged and carried out in cooperation with an instructor.

Credits: 1

CLAS 092: Senior Departmental Honors

Open to students in the COAS Honors Program. A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

CLAS 093: Senior Departmental Honors

Open to students in the COAS Honors Program. A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

CLAS 101: Greek Literature in Translation

This course offers a cultural and intellectual history of Ancient Greece through readings of its surviving literature. Students examine some of the major works of Greek literature and the Greek contribution to epic and lyric poetry, tragic and comic drama, historiography, philosophy, and science. All works are read in English translation. Satisfies Divisional Studies A requirement.

Credits: 3

CLAS 102: Roman Literature in English

This course offers a cultural and intellectual history of Ancient Rome through readings of its surviving literature. Students examine some of the major works of Roman literature and the Roman contribution to epic and lyric poetry, tragic and comic drama, historiography, philosophy, and science. All works are read in English translation. Satisfies Divisional Studies A requirement.

Credits: 3

CLAS 103: Classical Art

An introduction to the art and archaeology of the ancient cultures of Greece and Italy. Students first study the development of the Greek art from the Bronze Age to the Hellenistic period. Students then study then examine the artistic, architectural, and engineering achievements of the ancient Romans, from foundation of Rome to the Christian period.

Credits: 3

CLAS 104: Ancient Mediterranean: Greece, 1200 - 200 BCE

A survey of ancient Greek culture from the Bronze Age (ca. 2000 bce) to the time of Alexander the great (ca. 300's bce). The course examines the evolution of Greek society, art, literature, and material culture in the historical context of political and cultural developments.

Credits: 3

CLAS 105: Roman Civilization

An introduction to the history of Rome from the founding (Monarchy) through the period of the Republic and culminating in the establishment of the Empire. Focus on, among other topics, political, social, legal, religious developments mainly through the close reading of primary source materials.

Credits: 3

CLAS 106: Leadership in the Ancient World

A study of the problems of leadership and the theoretical solutions as understood by the ancient Greeks and Romans. Develops the students' ability to judge individual leaders, analyze the benefits and responsibilities of leadership, and become better leaders themselves.

Credits: 3

CLAS 108: Greek Drama in English

An introduction to the genre of Greek tragedy, taught in translation. The course examines the origins and performance context of tragedy, in addition to the particular styles and dramatic techniques of the three major tragedians Aeschylus, Sophocles, and Euripides.

Credits: 3

CLAS 109: Classical Mythology

A study of the origins and development of Greek and Roman mythology, heroic legend, and folktale. Myths are studied within the context of ancient culture, considering such issues as their relation to foreign material, as well as their ability to convey cultural ideals, power structures, class hierarchies, political ideologies, religious beliefs, etc.

Credits: 3

CLAS 110: Blacks in Antiquity

This course explores the importance of Africa in the Greco-Roman world, in particular Africa's economic, intellectual, political, and artistic contributions to the ancient world. The course also examines ancient attitudes toward race and considers famous Africans of antiquity.

Credits: 3

CLAS 111: Satire and Comedy

An introduction to the various forms of humor that existed in the ancient Mediterranean world, in particular Greek comedic performance and Roman satirical writing. Texts are studied in translation, as a way to examine ancient theories of humor, entertainment, and social commentary.

Credits: 3

CLAS 112: Law and Politics in the Ancient World

This course studies various topics related to law, politics, and rhetoric in the Ancient world. Satisfies Divisional Studies B requirement.

Credits: 3

CLAS 113: Women in the Ancient World

An examination of the cultural constructions of women and men and the ideologies of gender difference that determined the way men and women of ancient Greece and Rome thought about themselves and each other. The course considers the difference between ideology and "daily life" by juxtaposing what can be known of historical reality with conceptualizations in selected surviving texts.

Credits: 3

CLAS 114: Love in Antiquity

Theoretical and historical analysis of seminal prose and poetic texts on love from the ancient Mediterranean world with emphasis on recurring themes and motifs in erotic texts from antiquity through modernity. Satisfies Divisional A requirement.

Credits: 3

CLAS 115: Slavery in the Ancient World

An introduction to the theory and practice of slavery in antiquity with the main focus on the institution of slavery in Rome. The topic will be examined via diverse texts and disciplines; e.g., religion, law, literature, philosophy. Also an examination of the impact and connections of ancient slavery to the institution in the New World.

Credits: 3

CLAS 118: Directed Readings

A program of reading, discussion and examination on a specific area of study chosen with an appropriate faculty advisor. This course cannot be repeated for credit with a different topic.

Credits: 3

CLAS 132: Introduction to Greek Tragedy

Gods and heroes, fate and free choice, gender conflict, the justice or injustice of the universe: these are just some of the fundamental human issues that we will explore in about ten of the tragedies of Aeschylus, Sophocles, and Euripides.

Credits: 3

CLAS 133: Introduction to Homer

Reading and translation of extensive selections from the *Odyssey*. Introduction to epic meter, to Homeric Greek, and to the poet's style. Consideration of evidences of oral composition and discussion of the heroic tradition.

Credits: 3

CLAS 134: Introduction to Plato

A historical **introduction** to Western civilization's philosophical heritage from **Plato** to contemporary philosophical movements.

Credits: 3

CLAS 137-138: Special Topics in Greek

A supervised course of study on a Greek text or broader topic, designed in coordination with an appropriate faculty advisor.

Credits: 3

CLAS 144: Catullus and Horace

Careful reading and concentrated study of selected poems by Catullus and Horace in Latin. Discussion will be supplemented with additional readings in English translation and secondary scholarship.

Credits: 3

CLAS 145: Lucretius and Cicero

Close reading and study of selections from the works of Cicero and Lucretius.

Credits: 3

CLAS 146: Vergil, I

Close reading of extended selections from Virgil in Latin, primarily drawn from the *Aeneid*, supplemented with additional readings in English translation and secondary scholarship. Emphasis on Virgil's poetic technique as well as the political and cultural significance of his poetry.

Credits: 3

CLAS 147: Vergil, II

Close reading of extended selections from Virgil in Latin, primarily drawn from the *Aeneid*, supplemented with additional readings in English translation and secondary scholarship. Emphasis on Virgil's poetic technique as well as the political and cultural significance of his poetry. (Continuation of CLAS 147)

Credits: 3

CLAS 148: Roman Historians: Latin

A supervised course of study on Roman historiography and the specific works of the major Roman historians, designed in coordination with an appropriate faculty advisor.

Credits: 3

CLAS 152: Latin Prose Composition

Solidifies the student's knowledge of Latin syntax and style through intensive practice in writing Latin. Composition exercises are performed in tandem with selections from the prose masters, notably Caesar and Cicero. Open to students who have completed Latin 001-004 or equivalent.

Credits: 3

CLAS 153: Special Topics in Latin I

A supervised course of study on a Latin text or broader topic, designed in coordination with an appropriate faculty advisor.

Credits: 3

CLAS 154: Special Topics in Latin II

A supervised course of study on a Latin text or broader topic, designed in coordination with an appropriate faculty advisor.

Credits: 3

CLAS 157: Directed Readings in Latin

A supervised course of study on a Latin text or texts, designed in coordination with an appropriate faculty advisor.

Credits: 3

CLAS 157-160: Directed Readings in Latin

A supervised course of study on a Latin text or texts, designed in coordination with an appropriate faculty advisor.

Credits: 3

CLAS 167: Internship

A course designed to provide students the opportunity to participate in an internship approved by the department. Designed in coordination with an appropriate faculty advisor.

Credits: 3

CLAS 168: Internship

A course designed to provide students the opportunity to participate in an internship approved by the department. Designed in coordination with an appropriate faculty advisor.

Credits: 3

CLAS 171: Ancient Law and Rhetoric - WRTG

A supervised course of study on a classical text or texts (read in translation), designed in coordination with an appropriate faculty advisor.

Credits: 1

CLAS 702: Politics and the Past (Writing)

A study the intersection of history with political identity, focusing fifth century Athenian society, which defined itself through myth, assertions of what Athenians are not (difference), and what Athenians are (sameness).

Credits: 3

CLAS 703: Structure of Ancient Thought (Writing)

This course offers an examination of various topics in the history and structure of ideas (historical, philosophical, religious) in the Ancient World.

Credits: 3

CLAS 704: Plato's Republic (Writing)

This course offers a detailed examination of Plato's Republic.

Credits: 3

CLAS 705: Cleopatra: Ancient Realities and Modern Perceptions (Writing)

This course combines the methodologies of history, gender studies, and classical reception to contextualize Cleopatra into the history of her own times as well as to examine her legacy as a female and racialist signifier in subsequent eras.

Credits: 3

CLAS 707: Introduction to Aristotle (Writing)

This course offers a general introduction to the philosophy and thought of Aristotle.

Credits: 3

CLAS 708: Greek Drama in English (Writing)

This course will analyze ancient plays both as great works of literature and as artifacts of a particular artistic, cultural, and political context. Students will read excerpts and complete plays in English from a variety of ancient authors, including (from Classical Athens) Aeschylus, Sophocles, Euripides, Aristophanes, and Menander, and (from late Republican and early Imperial Rome) Plautus, Terence, and Seneca.

Credits: 3

CLAS 710: Classical Heritage (Writing)

Students taking this course will be assigned a research paper and will be held to a higher standard in the assessment of their contributions to class translation and discussion and their performance on exams.

Credits: 3

CLAS 711: Stoics and Epicureans (Writing)

This course is focused on the study of Hellenistic Philosophy, primarily that of the Stoics and Epicureans, though ancient Skepticism will also be covered. This material forms some of the background essential to later developments, including the philosophical religions of the Roman Empire, Christianity, and Neoplatonism (both Christian, Arab, and Jewish).

Credits: 3

CLAS 713: Classical Mythology (Writing)

A study of classical mythology through examination of the literary mythical narratives of Greece and Rome. We will consider the form, content, and themes of these stories in order to explore the cultural significance of myth and the various ways in which myths can be interpreted through writing assignments.

Credits: 3

CLAS 714: Leadership in the Ancient World (Writing)

Credits: 3

CLAS 718: Comparative Mythology (Writing)

A comparative study of the ancient myths and traditions of the Sumerians, Babylonians, Hebrews, Greeks, Indians, and Romans. The course examines myths of human origins, social relationships, and conceptions of heroism.

Credits: 3

CLAS 722: Satire and Comedy (Writing)

An introduction to the various forms of humor that existed in the ancient Mediterranean world, in particular Greek comedic performance and Roman satirical writing. Texts are studied in translation, as a way to examine ancient theories of humor, entertainment, and social commentary.

Credits: 3

Comprehensive Sciences

COMP

COMP 001: Life Sciences Lecture-Laboratory

This course explores the basic concepts of the biological (life) sciences. These concepts will be presented through the examination of the principal characteristics that all living things (bacteria, protozoa, fungi, plants, animals) have in common (i.e., ecology, genetics, taxonomy, metabolism, evolution, reproduction and development, etc.). The lecture information surveys living systems on the chemical, cellular and organismal levels. The exploration is complemented by key laboratory applications and observations that will enable the students to recognize, comprehend and appreciate the complexities of biological organization that exist in nature.

Credits: 3

COMP 002: Planetary Science Lecture-Laboratory

The planetary science course involves studies of astronomy (planets, stars, the universe) and geology (the earth). In geology, the principal features of planet earth such as size, shape, composition, motions are presented. How planet earth changes as a result of internal and external forces acting on it provides a topic of interest. In astronomy, emphasis is on the other planets, the solar system and other celestial bodies that exist in the universe. Laboratory investigations involve the examination of various samples, planetarium visits and field trips to area geological sites and venues where technologically advanced telescopes can be used.

Credits: 3

COMP 003: Physical Science Lecture-Laboratory

The basic principles of chemistry and of physics are covered in the course. Emphasis is placed on understanding these concepts and how they can be used to relate to every day phenomena. The inorganic and organic aspects of matter, the laws that govern their actions and the formulas that predict the activities of molecules comprise some of the information on basic concepts in chemistry. The laws of physics that govern the solid, liquid and gaseous states of matter are explored. Lecture topics include the foundations of science, principles/concepts/laws of motion, heat and temperature, energy, sound, light, atomic structure, organic and inorganic chemistry. Laboratory exercises include laboratory safety, measurements, law of pendulum, spectrophotometry, identification and physical property determination of substances and empirical formula determination of compounds.

Credits: 3

COMP 004: Computers and Society

Computers and Society is an introductory course in computer science. Course activities include lectures, laboratory sessions, and discussions. Lecture material will cover vocabulary, applications, implications, communications and networks, history, and the future directions of computers. Assigned reading will be on the computer's impact on numerous aspects of society. Current events and popular computer topics such as the digital divide, privacy, identity theft and viruses will be presented. Students will explore and discuss how these and other topics affect their lives specifically and society overall.

Credits: 3

Health, Human Perform. & Leisure Studies

HHPL

COURSE DESCRIPTIONS

HHPL 002: Beginning Swimming

Designed to teach individuals to swim, including such basic skills to make them safe in deep water as floating in a prone position as well as supine position, breath control, and rhythmic breathing.

Credits: 1

HHPL 003: Advanced Beginning Swimming

Increases the skill of the individual by adding to skills learned in the beginner's course and prepares the student for additional water safety training by introducing skills that improve stamina and basic coordination.

Credits: 1

HHPL 004: Intermediate Swimming

Provides the student the opportunity to learn the elements of good swimming.

Credits: 1

HHPL 005: Golf

This activity course provides the student with the opportunity to learn and develop the basic rules and skills of golf.

Credits: 1

HHPL 007: Volleyball

Designed to develop a thorough knowledge of volleyball skills, rules, and procedures; embodies individual skills and team skills.

Credits: 1

HHPL 009: Slimnastics

Develops proper body alignment producing improved motor mechanics, poise and elasticity of movement.

Credits: 1

HHPL 010: Soccer

This activity course provides the student with the opportunity to learn and develop the basic rules and skills of soccer.

Credits: 1

HHPL 011: Weight Training

This activity course provides the student with the opportunity to learn and develop the basic rules and skills of Weight Training.

Credits: 1

HHPL 013: Slimnastics II

An Aerobics exercise course incorporating a variety of exercises that stimulate heart and lung activity for a time period to produce beneficial changes in the body - running, walking, swimming, rope jumping, jogging, etc.

Credits: 1

HHPL 014: Elementary Judo

Develops the fundamental abilities required in all aspects of Judo training including the technical, physical, and mental components.

Credits: 1

HHPL 016: Elementary Tae Kwon Do

Develops the fundamental techniques and abilities required in all aspects of Tae Kwon Do including the technical, physical, and mental components.

Credits: 1

HHPL 017: Intermediate-Advanced Tae Kwon Do

Designed to further develop the techniques in all aspects of Tae Kwon Do on an advanced level.

Credits: 1

Prerequisites:

PHED 016

HHPL 020: Brazilian JiuJitsu

This activity course provides the student with the opportunity to learn and develop the basic rules and skills of Brazilian jiuJitsu.

Credits: 1

HHPL 021: Badminton

Provides the student with the basic knowledge, understanding, and skill necessary as a life time activity.

Credits: 1

HHPL 030: Athletic Coaching

Causes the student to move a dependent role in sports and athletics to a leadership role as a coach or game official.

Credits: 3

HHPL 034: Restrictive Activity

Physical activity course specific for students with special needs.

Credits: 1

HHPL 035: Restrictive Activity II

Continuation of HHPL 034. Physical activity course specific for students with special needs.

Credits: 1

HHPL 037: Restrictive Activity III

Continuation of HHPL 035. Physical activity course specific for students with special needs.

Credits: 1

HHPL 038: Restrictive Acitivity IV

Continuation of HHPL 037. Physical activity course specific for students with special needs.

Credits: 1

HHPL 039: Badminton II

This course is designed to build upon the basic fundamental skills of the game. It provides opportunity for skill refinement, analyzation and competitive preparation.

Credits: 1

HHPL 048: Exercise and Wellness

This courses introduces the student to the fundamental relationship between physical fitness and a healthy lifestyle. The theoretical components of fitness, principles of training, individual pre/post assessments and prescription exercise programs are examined. Varied physical activity media are introduced to give the student practical experiences with the ultimate goal of self-directed lifetime wellness.

Credits: 1

HHPL 050: Methods of Teaching Team Sports I

Designed for major students to teach methods and techniques of team sports.

Credits: 1

HHPL 052: Methods of Teaching Individual Sports

This class is designed to prepare the student to teach individual sports. The student will learn various means of organizing a class for particular sports, developing teaching procedures, analyzing movement patterns and evaluating student performance.

Credits: 1

HHPL 054: Fitness I

This course is designed to develop a thorough knowledge of fitness which includes measurements and evaluation of one's present state of physical fitness, variables affecting physical fitness and plan and follow a lifelong individualized program.

Credits: 1

HHPL 057: Aerobic Dance Fitness

Works on flexibility, strength, but mainly on the cardiovascular system. Knowledge about health and fitness given.

Credits: 1

HHPL 058: Water Aerobics

This activity course provides the student with the opportunity to learn and develop the basic rules and skills of water aerobics.

Credits: 1

HHPL 061: Pilates

This activity course provides the student with the opportunity to learn and develop the basic rules and skills of pilates.

Credits: 1

HHPL 062: Zumba

This activity course provides the student with the opportunity to learn and develop the basic rules and skills of Zumba.

Credits: 3

HHPL 102: Human Anatomy (Majors only)

Concerns the fundamental understanding of the body's basic anatomical functions and structure.

Credits: 3

HHPL 103: Human Physiology

Designed for major students, the course is concerned with the fundamental understanding of the body's basic physiologic mechanism.

Credits: 3

HHPL 104: Kinesiology

Teaches fundamental principles, mechanics, balance, and muscular action that are basic to the analysis of movement, sports, and individual activities.

Credits: 3

Prerequisites:

PHED 102 and PHED 103.

HHPL 106: Disease Prevention and Health Promotion

Credits: 3

HHPL 107: Exercise Physiology I

Outlines the physiological bases of physical recreation and the place of exercise in the development of strength, speed, skill, and endurance.

Credits: 3

Prerequisites:

PHED 102, PHED 103, and PHED 104.

HHPL 108: Human Anatomy Laboratory

Designed to give the student an opportunity to work in the laboratory to study prosected cadavers, models and illustrative charts. Permission needed for enrollment. See instructor.

Credits: 3

HHPL 109: Methods and Directive Teaching in Physical Education

Designed for students who are interested in teaching secondary physical education. This course will assist the beginning teacher to improve teaching methodology and techniques in various activities. Emphasis is also placed upon curriculum content, construction of daily lesson plans and course objectives based upon a systematic approach to learning.

Credits: 3

HHPL 111: Motor Learning and Skill Performance

Teaches fundamentals and principles of movement methods and motor skills.

Credits: 3

HHPL 112: First Aid & CPR (Cardiopulmonary Resuscitation)

The general purpose of the first aid training provided by the content of the Standard First Aid course and the CPR course is to teach the knowledge and skills that are needed for the emergency care of the injured until a physician arrives and to create an active interest in the prevention of accidents through the elimination of their causes.

Credits: 1

HHPL 113: Adaptive Physical Education

Acquaints students with organization and development of programs for the atypical student.

Credits: 3

HHPL 118: Athletic Training I

An intensive introductory course on athletic injury care and prevention. Primarily focused toward the immediate assessment and treatment of the person and the person's injury.

Credits: 3

HHPL 125: Independent Study.

Major students during their senior year conduct research or seek to expand knowledge in a specific subject area with the guidance of an adviser.

Credits: 1-3

HHPL 130: Exercise Physiology II - Neuromuscular Aspects

Designed to enable the student to develop a working knowledge of the neuromuscular aspects of exercise physiology. The effects of exercise on the structure and function of the neuromuscular system will be studied in detail in this course. The effects of ergogenic aids such as anabolic steroids on muscular strength will be studied. Nutrition for human performance and energy transfer in exercise will be investigated. The relative merits of isokinetic, isometric and isotonic strength training will also be examined. Upon completion of the course the student should have the ability to assess muscular strength and endurance, and then be able to prescribe individualized exercise programs for building muscular strength and endurance.

Credits: 3

HHPL 135: Sports Psychology

Involves the examination of human behavior in the sports setting. Covers skill learning and performance common to both physical education and sport; the psychological factors affecting the learning and performance of physical skills and how individuals are affected by both internal and external factors.

Credits: 3

HHPL 139: Fitness Assessment and Exercise Prescription Practicum

Designed to enable the student to gain practical exposure to the many facets of fitness assessment and exercise prescription. The course will be based on guidelines for exercise testing and prescription recommended by the American College of Sports Medicine. Students will be exposed to and/or participate in the administration of the following: exercise stress tests, EKG's, blood pressure screening, step test, muscular strength and endurance assessment, flexibility testing and other tests which are used to assess fitness. Students will prescribe, conduct and participate in fitness programs designed to elicit both aerobic and muscular training effects. Each student will be required to demonstrate a working knowledge of the "FITSCAN" computer program for assessing fitness and prescribing exercise. To fulfill the practicum requirement of the course, students will work in a center which deals with some aspect of the fitness industry.

Credits: 3

HHPL 140: Human Growth and Development

Provides a study of the biological, psychological, and social factors which influence the growth and development of the individual.

Credits: 3

HHPL 141: Intro to Sports Management

The purpose of this class is to provide an overview of the sport industry that introduces the student to the basic fundamental knowledge and skill sets required of the sport manager to solve sport business problems. Focus will also be placed on understanding career options in the sport industry and preparing for employment. Identifies necessary competencies for Sport managers.

Credits: 3

HHPL 144: Sports Law

An analysis of the legal process and governing organizations within the sport enterprise. Preparation for dealing with the legal ramifications and the governance organizations of the sporting world.

Credits: 3

HHPL 145: Sports Marketing

This course provides an understanding of sports and the marketing of events and products, and creates a moral practice and standard when targeting a product or population. Theory identification and practical involvement will be merged to enhance the experience and opportunity to contribute into the multi-billion dollar sports industry.

Credits: 3

HHPL 147: Sports and the Media

Introduction to theory and practice of media forums and their relationship to the sports industry. Designed to give students an operational and technical foundation in research, print, broadcasting, and the impact of advertising and sales on production of a sports event. Guest lecturers from professional media entities, and opportunity for hands-on experiences.

Credits: 3

HHPL 148: Sports Governance

An analysis of the legal process and governing organizations within the sport enterprise. Preparation for dealing with the legal ramifications and the governance organizations of the sporting world.

Credits: 3

HHPL 149: Facilities and Event Management

Course addresses the fundamentals of planning and design, emphasizing athletic, physical education, and recreation facilities in both rural and urban settings. Field trips and current trends in facility design and scheduling will also be explored.

Credits: 3

HHPL 150: Management and Leadership in Sports

This course focuses on the leadership principles for directing programs and facilities in sport management. This course is an analysis of effective management strategies and the body of knowledge associated with pursuing a career in sport management. The course will introduce students to sport management career opportunities in the sport industry, and it encourages students to see sport principles as they apply to management, leadership style, communication, and motivation.

Credits: 3

HHPL 151: Sports Management Internship

An internship is an intensive career oriented work experience related to the student's academic studies, professional and educational goals. It is also an opportunity to gain practical experience in one's major field of study, apply knowledge gained in the classroom, and make useful contacts in a professional field. The experience is ideally unique to the student and must be supervised by a qualified supervisor.

Credits: 6

HHPL 152: Methods and Materials of Health Education

Offers information on theory, methods and materials used in health instruction in the secondary school and provides for practical classroom experience.

Credits: 3

HHPL 153: Human Sexuality

Develops a functional graded vocabulary, a knowledge of key facts and basic concepts, wholesome attitudes and practices, and skill in the critical analysis of basic problems and issues as they relate to human sexuality.

Credits: 3

HHPL 157: Health Problems of Children and Youth

Concerns the health needs of the child while at school; the responsibility of the teacher, physician, nurse and administrator.

Credits: 3

HHPL 159: Health Science

Promotes healthier living through scientific knowledge in health, disease, mental and emotional functioning, chemical alteration and behavior, environmental health and family living.

Credits: 1

HHPL 160: Women's Health

Deals with the physical and mental health of women. An examination of the physician-patient relationship, gynecological exams, vaginal infections, menstruation, cancer, marriage, rape, abortion, etc.

Credits: 1

HHPL 162: Men's Health

This course explores the societal, economic, cultural, and gender influences that shape men's health beliefs and practices. Common health problems and strategies effective in promoting men's health and well-being are explored

Credits: 1

HHPL 163: Foundation of Health Promotion

This is an introductory course that provides students with a scientific background into the scope of professional practice and the sub-disciplines in public, community, and personal health promotion and education

Credits: 3

HHPL 165: Health of Women, Children and Families

This course examines the policies, programs and services that focus on the health of women, families and children. It explores major issues facing children, women and families by critically examining the assumptions, values, and philosophical perspectives.

Credits: 3

HHPL 175: Controlling Stress & Tension

The Management of Stress and Tension explores a holistic (body, mind, emotions, and spirit) approach to the management of stress and tension. From a theoretical perspective, students will analyze stressors, the stress response, resiliency, coping, lifestyle, and relaxation techniques.

Credits: 1

HHPL 179: Community Health Internship – Majors Only

A field-based field placement designed to offer students a "hands-on" structured work experience in the diverse field of community health.

Credits: 9

HHPL 182: Sports Medicine Honors for Sophomores

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

HHPL 183: Sports Medicine Honors for Sophomores

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

HHPL 184: Sports Medicine Honors for Juniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

HHPL 185: Field Work A – Health Education Majors

Practical, supervised training designed to supplement formal study. Students learn practical applications of classroom material and gain skills and knowledge relevant to their course of study.

Credits: 1

HHPL 186: Field Work B – Health Education Majors

Practical, supervised training designed to supplement formal study. Students learn practical applications of classroom material and gain skills and knowledge relevant to their course of study.

Credits: 1

HHPL 187: Field Work C – Health Education Majors

Practical, supervised training designed to supplement formal study. Students learn practical applications of classroom material and gain skills and knowledge relevant to their course of study.

Credits: 1

HHPL 188: Sports Medicine Honors for Seniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

HHPL 192: Direct Readings Honors for Juniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

HHPL 193: Direct Readings Honors for Sophomores

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

HHPL 194: Direct Rdgs Hnrs for Seniors

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

HHPL 195: Direct Rdgs Hnrs for Jrs

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

HHPL 220: Organization and Administration of HPER

Designed to teach students the fundamentals of organization and administration in the delivery of physical education, school health and leisure services. Course covers topics such as leadership, communications, effective management and marketing. Time is also devoted to budget/fiscal practices, policy making, personnel management and training.

Credits: 3

HHPL 221: Budget & Finance in Sport

Analysis of budgeting, financial summaries, fiscal management policies and procedures, proposal writing, and taxation for recreation. The student will be exposed to purchasing, recreation debt administration, and to a brief introduction of the use of electronic data processing and financial management. Also covered are basic philosophy in principles, procedures and other aspects of administration.

Credits: 3

HHPL 280: Sociology of Leisure

An examination of the implications of the social organization and the role of individuals and groups on leisure environments.

Credits: 3

HHPL 706: History & Philosophy of PE (Writing)

This course is an examination of human movement including historical, philosophical, psychological and physiological components essential to the study of physical education. Demonstrating advanced writing skills is an integral part of this upper level course.

Credits: 3

Honors

HNRS

HNRS 080, 081, 082, 083: Honors Humanities Seminar

Seminars on selected topics in the humanities for sophomores and juniors.

Credits: 3

HNRS 084, 085, 086, 087: Honors Natural Science Seminar

Seminars on selected topics in the natural sciences for sophomores and juniors.

Credits: 3

HNRS 088, 089, 090, 091: Honors Social Science Seminar

Seminars on selected topics in the social sciences for sophomores and juniors.

Credits: 3

HNRS 093: Honors Research Methods

Junior Honors course emphasizing all aspects of research including design of experiments, analysis and presentation of data, proposal writing, and preparation of journal articles. Intended to prepare students for writing the Senior Thesis.

Credits: 3

HNRS 700: Honors Writing Intensive

Intermediate writing class offered in one of the disciplines: Natural Sciences, Social Sciences or Humanities. Satisfies additional writing requirement.

Credits: 3

Humanities

HUMN

HUMA 101: Literature in Revolution

This course explores the various ways in which selected contemporary authors from literary traditions have represented the environment and imagined the relationship of human beings to nonhuman nature. The course will focus on works by authors from various cultural, racial, and ethnic backgrounds. Genres will include poetry, prose fiction, essay, and film.

Credits: 3

HUMA 107: Women in Literature

This course is an introduction to representative works by and about women from historical, social, and literary perspectives. By the end of the course, students should be able to demonstrate knowledge of the texts, the authors and literary and social movements that produced them, and how women's views of themselves and their community are reflected in their writing.

Credits: 3

HUMA 111: Classic Films in English

Acquaints students with classic works of American cinema, the historical eras they depict, and their importance in the history of film.

Credits: 3

HUMN 011: Literature of the Ancient World

Introduction to the literature of ancient Greece and Rome and the Near East, concentrating on literary styles and cultural background of the ancient world.

Credits: 3

HUMN 012: Medieval and Renaissance Literature

Introduction to the literature of the European medieval and Renaissance cultures through a reading of selected authors who express important concepts and cultural attitudes of the two periods.

Credits: 3

HUMN 013: Literature of the Modern World

Introduction to the literature of the post-Renaissance world, emphasizing both the history and development of ideas during the period and the literary methods and values of the works studied.

Credits: 3

HUMN 014: Introduction to Humanities I

Introduction to Humanities I is the first part of a two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition.

Credits: 3

HUMN 015: Introduction to Humanities II

Introduction to Humanities II is the second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Prerequisite is Humanities I.

Credits: 3

HUMN 107: Introduction to Women's Studies

Introduction to the role of women in the humanities, investigating women as writers and their contributions to the disciplines of philosophy, German, Russian, Classics, English, and the Romance Languages. Cross-listed with other departments in the Division of the Humanities.

Credits: 3

Clinical Laboratory Sciences

CLLS

Clinical laboratory scientists provide rapid access to laboratory test results that are critical for the diagnostic and treatment decisions necessary for the delivery of quality healthcare. A degree in Clinical Laboratory Science prepares graduates for employment opportunities in clinical, veterinary, and forensic laboratories; biotechnology and pharmaceutical industries; management, marketing, and biomedical sales. Clinical Laboratory Scientists (Medical Technologists), including graduates of Howard University, are employed nationally in the following settings:

- Hospital Laboratories
- Physician Office Laboratories
- Food and Drug Administration (FDA)
- Centers for Disease Control and Prevention
- Public Health Laboratories
- The National Institutes of Health (NIH)
- The Red Cross
- Bioterrorism Laboratories
- Traveling Technologists

Clinical Laboratory Science is also an excellent alternative to degrees in biology and chemistry for those students who plan to pursue post-graduate studies in Medicine, Dentistry, Biomedical Sciences or Public Health.

The program at Howard University is a fully accredited (NAACLS) four year BS degree program. The curriculum includes science and general education courses in Biology, Chemistry, Mathematics, English, and the Social /Behavioral Sciences taken at the freshman and sophomore level. These courses can be also transferred from accredited universities or community colleges.

Specialized Clinical Laboratory Science courses taken during the program are taught by experienced nationally certified faculty. In the final year of the program, students complete their clinical practicums at accredited clinical laboratories in the Washington, DC – Metropolitan area. Graduates of the program are eligible to sit for national certification examinations.

Department of Clinical Laboratory Science Goals:

- Provide an educational experience of the highest standard in clinical laboratory science
- Prepare highly skilled laboratory scientists who are committed to lifelong learning and eminently capable of contributing to the delivery of quality health care
- Instill values of professional responsibility, ethical conduct and compassionate concern for those we serve.

Accreditation

The Clinical Laboratory Sciences Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, 847.939.3597, www.naacls.org.

CLLS 101: Introduction to Clinical Laboratory Science

History, organizations, educational and occupational opportunities, and ethics of clinical Laboratory science.

Credits: 2

Prerequisites:

NONE

CLLS 300: Basic Clinical Lab Techniques

Introduces students to laboratory techniques used in the various areas of the clinical laboratory. The course will expose students to the basic techniques, principles and practices used in clinical and research laboratories. Students will develop an appreciation of the impact of laboratory skills in achieving accurate and precision on the final outcome of laboratory results.

Credits: 2

Prerequisites:

NONE

CLLS 303: Clinical Hematology I

Lectures and simulated laboratory course designed to provide information on the basic hematology concepts, and current hematology laboratory techniques and procedures.

Credits: 4

Prerequisites:

BIOL 220 AND PHYSIOLOGY – MINIMUM GRADE OF 'C'.

CLLS 305: Clinical Biochemistry & Instrumentation

Lecture and laboratory course focused on human biochemistry, basic physics concepts and operation of laboratory instrumentation. Students will learn to diagnose simple instrument malfunctions and the rationale for troubleshooting.

Credits: 4

Prerequisites:

A GRADE OF C OR ABOVE IN PHYSIOLOGY, GENETICS & BIOL 220.

CLLS 307: Clinical Immunology I

Lectures and laboratory course on theory, principles, and procedures of immunology. The course will provide students with the knowledge and principles of immunology, the application of these principles to diagnostic immunology, and exposure to current developments in the field (Formerly CLLS 709).

Credits: 4

Prerequisites:

BIOL 220 AND PHYSIOLOGY – MINIMUM GRADE OF 'C'.

CLLS 308: Clinical Diagnostic Microbiology I

Lectures and simulated laboratory with emphasis on the general characteristics and procedures for identification of the various groups of bacteria of medical significance.

Credits: 5

Prerequisites:

A GRADE OF 'C' OR ABOVE IN BIOL 220.

CLLS 309: Clinical Chemistry I

Lectures and student laboratory course focused on biochemistry profile of disease and the laboratory analytical findings in blood and other body fluids.

Credits: 4

CLLS 310: Clinical Chemistry II

Lectures and student laboratory course focused on biochemistry profile of disease and the laboratory analytical findings in blood and other body fluids.

Credits: 4

Prerequisites:

A GRADE OF C OR ABOVE IN CLLS 305.

CLLS 312: OSHA Seminar

Course designed to increase Occupational Safety and health standards; includes overview of OSHA and hazard - specific awareness

Credits: 1

CLLS 321: Junior Recitation

Opportunities for students to engage in small groups

Credits: 0

CLLS 400: Advance Lab Techniques

Course focused on advance laboratory techniques used in research and other areas of the clinical laboratory.

Credits: 2

Prerequisites:

NONE

CLLS 403: Clinical Hematology II

Lectures and laboratory in hematological blood diseases, hemostasis and leukemia cytochemistry.

Credits: 4

Prerequisites:

A GRADE OF C OR ABOVE IN CLLS 303.

CLLS 404: Hematology/Urinalysis Practicum

Clinical laboratory experience in hematology and urinalysis to increase proficiency in performance of procedures; learn routine, special and automated procedures and for exposure to patient/technologist relationships.

Credits: 4

Prerequisites:

A grade of C or above in CLLS 303 and 403.

CLLS 406: Microbiology Practicum

Clinical laboratory experience in microbiology laboratory to increase proficiency in performance of procedure; learn routine, special and automated procedures and for exposure to patient/technologist relationships. laboratory.

Credits: 5

Prerequisites:

A GRADE OF C OR ABOVE IN CLLS 308 AND 416.

CLLS 408: Chemistry Practicum

Clinical laboratory experience in the chemistry laboratory to increase proficiency in the performance of procedures; learn routine, special and automated procedures and for exposure to patient/technologist relationships.

Credits: 4

Prerequisites:

A GRADE OF C OR BETTER IN CLLS 305 AND CLLS 310.

CLLS 409: Immunohematology

Lectures and student laboratory sessions on advanced immunological studies and transfusion medicine including blood grouping, blood transfusion, leukocyte antigen typing, hepatitis associated antigens, and blood components.

Credits: 4

Prerequisites:

A GRADE OF C OR ABOVE IN CLLS 307 (Formerly CLLS 709).

CLLS 411: Immunohematology Practicum

Clinical laboratory experiences in Blood Banking and Transfusion laboratory to increase proficiency in performance of procedures, to learn routine, special and automated procedures and for exposure to patient/technologist relationships.

Credits: 4

Prerequisites:

A GRADE OF C OR ABOVE IN CLLS 307 (Formerly CLLS 709) and CLLS 409.

CLLS 415: Clinical Urinalysis and Body Fluids

Lectures and laboratory course designed to give theoretical knowledge, and technical skills needed for the analysis of non-blood body fluids such as urine, spinal fluid, etc. and laboratory detection methods used in evaluating renal function and other diseases.

Credits: 3

Prerequisites:

PHYSIOLOGY - MINIMUM GRADE OF 'C'.

CLLS 416: Clinical Diagnostic Microbiology II

Lectures and simulated laboratory course with emphasis on the examination of clinical specimens; the isolation and the identification of organisms commonly encountered in humans.

Credits: 5

Prerequisites:

A GRADE OF C OR ABOVE IN CLLS 308.

CLLS 418: Clinical Laboratory Management Decision Making

Lectures and simulated practices designed to provide principles, theory and procedures of clinical management with emphasis on evaluation of people, equipment, procedures and personnel relationships. This course uses the case study approach, interaction with industry personnel, medical information and laboratory data to aid in understanding patient diagnosis and disease.

Credits: 2

CLLS 423: Senior Recitation

Students plan and carry out learning activities under the guidance of an instructor. Students work independently.

Credits: 0

CLLS 720: Research - WRTG

This course is intended to teach clinical laboratory science students the principles of research, research methodologies, design and statistical methods. This course will equip students with the principles of scientific research. Scientific writing and other writing assignments are integrated into this course.

Credits: 3

Prerequisites:

A GRADE OF C OR ABOVE IN ENGL 003

Health Management Sciences Program

HLMN

The Health Management Sciences Program is located in the Department of Health Sciences and Management of the Division of Allied Health Sciences, College of Nursing and Allied Health Sciences, Howard University. The program offers the Bachelor of Sciences in Health Science, which is designed to prepare students to perform management roles and achieve lifelong career in a wide variety of organizations that deliver health care services, as well as pursue graduate education nationally and internationally.

Certification

The Howard University Health Management Sciences Program has full certification and is a full member of the American University Programs in Health Administration (AUPHA). AUPHA is a non-profit organization that accredits and certifies Health Administration Programs located in Schools of Allied Health Sciences and the United States.

Internship

Students enrolled in the Health Management Sciences Program are expected to complete at least one required semester of internship in an appropriate health care setting. The current required three (3) credit hours of 120 internship clock hours per semester for internship for students enrolled effective Fall 2012 will continue. Additional three (3) credit hours of 120 internship clock hours for subsequently Spring semester each academic year will be offered as elective. The interns of both semesters will be able to rotate for 8 hours per day as divided by the number of semester weeks during which the student is enrolled in the Program. The internship coordinator of Health Management Program, supervisors and preceptors of units and departments will determine the work schedules, hours and regular attendance of the interns at the internship settings.

HLMN 102: Health Systems Management I

This course is designed as an introduction to the history of the development and growth of Health Services Organizations (HSO) in private and public sectors in the United States. It covers principles of health care health delivery management, leadership, coordination, direction, control, human resources, governance, strategic planning, communications and quality assurance and health care finance for profit and not-for-profits, as well as public health care delivery services.

Credits: 3

Prerequisites:

MGMT 301, ECON 001&002 and/or Junior/Senior Standing.

HLMN 201: Community Health Organizations

This course is designed for students in allied health, nursing and health sciences management. It covers the latest trends in public and private health care delivery services, health disparities with focus on underserved urban and rural populations in USA. It will provide students with the knowledge and skills necessary for a broad overview of health education, prevention and treatment of diseases, as well as community organization, program planning, minority health, health care, mental health, environmental health, drugs, safety, and occupational health. The learner based course will enable student to develop competency in quality assessment and improvement for patient care in the community health settings.

Credits: 3

Prerequisites:

HLMN 102, HLMN /AHCC 202, MATH 009. AHCC 003 or major in Allied Health Sciences and Nursing Professions.

HLMN 306: Principles of Epidemiology

Credits: 3

HLMN 315: Health Informatics

This course introduces health informatics, the field devoted to the optimal use of data, information, and knowledge to advance individual health, health care, public health, and health-related research. Students will learn the application of informatics skills and knowledge to health-related problems.

Credits: 3

HLMN 400: Health Operations Research

Credits: 3

HLMN 401: Global Health

Credits: 3

HLMN 402: Health Management Internship

The Internship Program is designed as integrative practicum for senior students in Health Management Major. The course syllabus and Policies evolved from integrative didactic and practical experiences that bridge efficient and effective learning from the classrooms to the real world experiences leading to successful employment or advanced graduate studies in health care administration disciplines. The contents of the prerequisite courses in the four-year curriculum of study and job descriptions provide the foundation for students to practice management under the supervision of qualified preceptors and academic coordinator responsible for providing adequate settings or placement in public and private health services agency and organizations such as health departments, hospitals, HMO, Long Term and Home Health Care, Private Practices, as well as NIH, HRSA and other National, State and Local organizations.

Credits: 6

Prerequisites:

Senior Status and approval of Internship Coordinator, Academic Advisor and Chair of the Department/Program.

HLMN 404: Health Policy

Health Policy course is designed for students in the allied health sciences, nursing and health administration and business management undergraduate programs. It covers concepts, tools, and techniques of health policy formulation, process and implementation. It provides historical perspectives and strategies in planning, organizing, coordinating, financing and evaluation and comparing health care nationally and internationally. It uses teaching tools such multidisciplinary team evidence-based and case studies in health torts, patient rights, private and universal insurance including Medicare and Medicaid reform, health laws and Affordable Health Care Acts and Management debates in private and public sectors in the United States and globally, as applicable.

Credits: 3

Prerequisites:

HLMN 102, HLMN 405, HLMN 406, AHCC 301 and/or Major in Allied Health Sciences and Nursing Division.

HLMN 405: Health Care Finance

This course is designed for health management major. It covers health care financial management, budgeting and strategic planning. It employs concepts, tools and techniques applicable to health care organizations, policies and financing including affordable patient care act and policies. Special focus will be on financial management private practice, Medicaid, Medicare, Managed Care and Long Term Health, Home Health Care and Health Insurance Exchange Policies and Management. It will also cover the concept of financing private entrepreneurship in health related organizations. The course is designed for students in allied health, nursing, pharmacy, public health, accounting and business administration undergraduate studies.

Credits: 3

Prerequisites:

ACCT 201, HLMN 102, HLMN 409. MATH 009, MGMT 303 or Equivalent plus Junior/Senior level.

HLMN 406: Epidemiology and Public Health

This course is designed to provide professional growth and understanding of public health and health management dynamics using the principles of epidemiology and research theories and methods and their applicability to demographics, rapid assessment techniques, survey analysis, health indicators (mortality and morbidity), risk assessment and control and randomized studies useful for health systems designs including needs assessment, planning, managing, planning and evaluation. Special focus will be on the health, cultural and socio-economic determinants, evidence-based surveys and operational research methods and analysis including case studies that affect health status of minority, access to essential health care, capacity building and health disparities for population in underserved populations.

Credits: 3

Prerequisites:

HLMN 102, HLMN 201, HLMN 409, INFO 204, NUTR 160, AHCC 003, MATH 009 or Major in Allied Health Sciences and Nursing Equivalent courses as approved by the Departments.

HLMN 408: Health Management Capstone Seminar

The Health Management Capstone Seminar is designed for senior students majoring health sciences and management with Bachelor of Science in Health Sciences in the Department of Health Sciences and Management of College of Nursing and Allied Health Sciences. It provide comprehensive knowledge and skills by integrating four year curriculum of study with best practices in academic didactic and real work experiences in health delivery organizations and public health administration. The focus will be on problem solving management case studies and multimedia presentation of weekly assignments by each focus groups papers and peer discussions and questioning period. PREREQUISITE: Completion of Curriculum of Studies and Senior/ Prospective Graduate in Health Management Sciences Program

Credits: 3

HLMN 409: Health Systems Management II

This course is designed to build on the foundation courses offered at the School of Business Management Minor Courses and Health Management Concentration Core Courses in the Department of Health Sciences and Management, College of Nursing and Allied Health Sciences. The course content focuses on prerequisite courses and overviews of health systems theories and practices such as US Health Services Organizations, Management of Health Services Organizations, Governance Structures and functions of HSOs; Communications and Information, Strategic Management of Health Systems, Quality Assurance and Assessment, Decision-Making and Evaluation Measurements. It also focuses on students as learners and participants in group activities as well as other multimedia techniques, project reports and presentations.

Credits: 3

Prerequisites:

MGMT 301, HLMN 102, INFO 204, AHCC 003, AHCC 202 and Junior Standing

Nutritional Sciences

NUTR

The Department of Nutritional Sciences is a part of the Division of Allied Health Sciences which is located in the College of Nursing and Allied Health Sciences. The Department provides challenging educational programs for our students. The Department of Nutritional Sciences offers the Bachelor of Science Degree in Nutritional Sciences. The course of study provides a basic core for all students in the program and yet offers flexibility for pursuing career goals. The curriculum allows students to complete the general education and basic science courses in the first two years. During the last two years, students, along with their advisors, select courses, which prepare them to become dietitians or nutritionist. The Bachelor of Science is Degree is offered with emphases in Community Nutrition, Human Nutrition and Food, and the fully accredited Coordinated *Undergraduate Program in Dietetics*. The department also offers a three semester verification program for individuals to complete the practicum requirement for dietetic registration. More than three semesters may be needed to complete the verification program if the student needs to take additional courses.

Many students use this foundation at the Bachelor's level to prepare for further graduate/professional study in nutrition, medicine, and dentistry. Many of our graduates are employed as health care providers, researchers, educators, policy makers and administrators locally, nationally and internationally.

Accreditation

The Coordinated Dietetics Program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) the accrediting agency for the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606, 312.899.0040, ext.5400, www.eatright.org/acend.

NUTR 006: Introduction to Foods

Presents the principal underlying the scientific preparation and care of food. Two hour lectures and one two-hour laboratory period per week. Fall semester.

Credits: 3

NUTR 130: Nutritional Biochemistry

Examination of the fundamental processes associated with the cellular metabolism of food stuffs - carbohydrates, fats, proteins, vitamins and minerals. Fall semester only.

Credits: 3

Prerequisites:

NUTR 161, Org. Chem 142.

NUTR 160: Nutrition

Study of the food constituents and how the body utilizes them for optimum health through the life cycle, with emphasis on the cell as the basic unit of nutrition and development; also includes intercultural and interdisciplinary aspects of foods and applied nutrition.

Credits: 3

NUTR 161: Nutrition for Health Majors

Study of how the body uses nutrients for optimum health, emphasizing the cell as the basic unit of nutrition and development.

Credits: 3

Prerequisites:

concurrent with CHEM: 003- Health majors only.

NUTR 169: Field Experience in Human Nutrition and Food

Students are placed in a variety of community organizations to gain practical experience in a wide variety of nutrition based disciplines.

Credits: 6

Prerequisites:

CHEM: 004-156, 571-175, and Research Methods- 416.

NUTR 175: Advanced Nutrition

Treats digestion, absorption, and utilization of essential nutrients: interrelationships and concepts of animal experimentation. Spring semester only.

Credits: 3

Prerequisites:

180-003 and CHEM: 156, NUTR: 130, or concurrent enrollment.

NUTR 183: Community Nutrition

Evaluation of nutrition and food programs of international, federal and state agencies in a community context, including nutrition education and food distribution.

Credits: 3

Prerequisites:

NUTR: 161, NUTR: 302.

NUTR 189: Food Chemistry and Analysis

Involves principles and methodology of food analysis; food additives; and laboratory experience in techniques for protein, fat ash, and moisture. Spring semester only.

Credits: 4

Prerequisites:

CHEM 004 and NUTR 006.

NUTR 190: 191: Special Projects in Human Nutrition and Food

Directed study. Prereqs. NUTR 160 and Instructor's consent.

Credits: 3

NUTR 302: Survey of Nutrition

Addresses basic knowledge, skill and insight in nutrition required for realistic functioning of health care professionals in providing quality health care.

Credits: 2

NUTR 310: Introduction to Dietetics

This course introduces students to the field of dietetics including its diversity. It covers the history of the dietetic profession and the ethical guidelines for the profession.

Credits: 1

NUTR 311: Organization and Management of Food and Nutrition Service

This course includes the managerial processes with emphasis on food systems management.

Credits: 3

NUTR 312: Food Service Systems Management theory

Study of the functional subsystems as the transformation element in the food service system model.

Credits: 3

NUTR 320: Nutrition during the Life Cycle

Introduction to the nutritional needs of people throughout the life cycle.

Credits: 3

NUTR 321: Practicum in Organization and Management of Food and Nutrition Services

An educational/coordinated practical experience used to introduce students to the art of management, which allows them to comprehend links between theory and practice.

Credits: 2

NUTR 322: Practicum in Quantity Foods

An educational/coordinated approach is used to provide practical experience in quantity food production, service and management of a food service operation.

Credits: 3

NUTR 323: Evaluation of Nutritional Status

A study of the basic objectives, procedures and techniques involved in the assessment of the nutritional status of communities, households, and Individuals.

Credits: 3

NUTR 325: Nutrition Care Management I

A coordinated course designed to provide the student with basic knowledge and skills for nutrition care management.

Credits: 3

NUTR 410: Medical Nutrition Therapy I

Investigates the role of diet in the prevention and treatment of disease. Fall semester.

Credits: 3

Prerequisites:

CHEM 156, or NUTR 130, NUTR 008, and NUTR 175 or concurrent enrollment.

NUTR 411: Nutritional Care Management II

This course focuses on nutrition care in various disease states and the modification of diets relative to diseases.

Credits: 4

NUTR 413: Medical Nutrition Therapy II

Investigates the role of diet in the prevention and treatment of disease. Fall semester.

Credits: 3

Prerequisites:

CHEM 156, or NUTR 130, NUTR 008, and NUTR 175 or concurrent enrollment.

NUTR 415: Diet Therapy Dry Lab

This course introduces the student to dietary calculations, modification and dietary planning for disease states.

Credits: 1

NUTR 416: Research Methods in Nutrition

This course introduces major students to various research techniques for the conduct and presentation of research in the nutritional sciences, including application of basic statistical methods.

Credits: 2

NUTR 420: Practicum Comprehensive

Provides experience in the nutritional care management of people throughout the life cycle in varying stages of illness and wellness.

Credits: 10

Prerequisites:

NUTR 311, 410, 411 and 415.

NUTR 425: Issues in Dietetics and Nutrition

This course incorporates current Issues into the comprehensive management of nutritional care.

Credits: 2

Nursing

NURS

The Howard University Division of Nursing, while cognizant of the nature of society and the health care delivery system, develops students at the bachelor's and master's level who can effectively and efficiently address the diverse and complex health care needs of society. The Division of Nursing was established in 1969 with a program of studies leading to the bachelor's degree in nursing. The Division of Nursing also offers the Master of Science Degree in Nursing and a Post-Master's Certificate for Family Nurse Practitioner.

The Bachelor of Science program offers a balanced curriculum including courses in the liberal arts, the sciences, the humanities, and nursing. The majority of the nursing courses are concentrated in the junior and senior years and involve classroom and clinical learning experiences in hospitals, long-term care facilities, homeless shelters, patients' homes and other community-based settings. Students in the Bachelor's Degree program develop competencies in the care of adults, children, child-bearing families and the elderly. A theoretical base for nursing practice is laid early in the program and students grow in their ability to apply theory in developing systems of care for patients. Course work and practical application in management/ leadership and research enhance the student's ability to think creatively, critically and to solve problems.

An R.N. track within the bachelor's degree program was initiated during the 1988-89 academic year. This track allows the R.N. with an associate degree or diploma to receive credit for prior nursing and science courses through a variety of validation procedures. Registered nurses from local associate degree nursing programs within the past five years may receive a minimum of 60 transfer credits towards the Bachelor of Science Degree. No validation testing is required for articulated students.

A 22-month Advanced Placement Program is also a part of undergraduate level studies for students with previously earned degrees in areas other than nursing and/or a significant number of credits in specific course areas. This program expedites students' progression in nursing. The undergraduate curriculum emphasizes critical thinking and problem solving, health promotion and prevention, community-based interventions, and the general climate of the evolving health care delivery system.

The diversity of the Washington, D.C. community provides students with a variety of learning opportunities and challenges. The Division of Nursing has adopted the issues of homelessness and care of the elderly as emphases within both the undergraduate and graduate curricula as well as rallying points for community

service by faculty, students and staff. The Division of Nursing has also expanded in the realm of international nursing. There has been significant involvement in consultation, instruction and curriculum development in some of the developing African countries.

Accreditation

The Division of Nursing is accredited by the Commission of Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC 20036, 202.887.6791, <http://www.aacn.nche.edu/ccne-accreditation>.

NURS 304: Pathophysiology

This course is designed to provide students the opportunity to develop an understanding of the pathophysiological basis for the clinical manifestation of disease processes. Emphasis is placed on the mechanisms of disease and alterations of structure and function that result in signs and symptoms of disease in individuals across the lifespan.

Credits: 3

NURS 306: Introduction to Pharmacology

This course focuses on the pharmacokinetics and pharmacodynamics of some identified drugs that affect persons across the life span. Areas of emphasis will include; the nursing process, nursing implications of the selected and related drugs, the role of a nurse in legal and research aspects of drug administration and medication calculations for oral and parenteral drugs.

Credits: 3

NURS 307: Health Assessment Across the Lifespan

This course provides learners an opportunity to acquire skills of history taking, physical assessment, and documentation needed to conduct a comprehensive health assessment including the physical, psychosocial, and environmental aspects of health.. Emphasis is placed health assessment as a systemic and organized examination that will provide accurate data on which to form valid nursing diagnoses and plan of care. Effective communication, assessment, and documentation will be practiced in the laboratory setting. The learner will demonstrate the techniques of physical assessment consisting of inspection, palpation, percussion, and auscultation.

Credits: 3

NURS 307OL: Health Assessment Across the Lifespan

This course provides learners an opportunity to acquire skills of history taking, physical assessment, and documentation needed to conduct a comprehensive health assessment including the physical, psychosocial, and environmental aspects of health.. Emphasis is placed health assessment as a systemic and organized examination that will provide accurate data on which to form valid nursing diagnoses and plan of care. Effective communication, assessment, and documentation will be practiced in the laboratory setting. The learner will demonstrate the techniques of physical assessment consisting of inspection, palpation, percussion, and auscultation.

Credits: 3

NURS 308OL: Role Transition

This course focuses on the important topics and trends within the nursing discipline and baccalaureate educational process to facilitate the transition from technical nurse to professional nurse. The emphasis is on professional components of the various roles of the baccalaureate nurse in health care. Students will utilize critical thinking to analyze the role of the baccalaureate nurse as it relates to professional standards, life-long learning, professional development, and the use of evidenced based practice. The student will apply knowledge of the history of the university and profession of the nursing to build a foundation for practice.

Credits: 3

NURS 313: Informatics and Technology

This course is designed to provide the student with an introduction to the emerging field of nursing informatics. The student will explore and examine computer technology and the tools of the Internet and World Wide Web, with a focus on selected computer applications and use of cyber-technology as it relates to nursing practice. The student will also examine the basics of information systems, expert systems, and telecommunication and the impact of these technologies, on nursing administration, education, advanced clinical practice and research.

Credits: 2

NURS 313OL: Informatics and Technology

This course is designed to provide the student with an introduction to the emerging field of nursing informatics. The student will explore and examine computer technology and the tools of the Internet and World Wide Web, with a focus on selected computer applications and use of cyber-technology as it relates to nursing practice. The student will also examine the basics of information systems, expert systems, and telecommunication and the impact of these technologies, on nursing administration, education, advanced clinical practice and research.

Credits: 2

NURS 315: Concepts of Health and Illness Across the Lifespan

This course focuses on nursing concepts that beginning nursing Learners need to provide care to diverse populations across the lifespan. Learners will explore various nursing theories, health promotion and their use with the nursing process. Emphasis is placed on the development of critical thinking and clinical judgment skills required to promote health and manage illness. The theoretical basis for assessing and managing basic human needs is explored across the lifespan.

Credits: 3

NURS 315OL: Concepts of Health and Illness Across the Lifespan

This course focuses on nursing concepts that nurses need to provide care to diverse populations across the lifespan. Students will explore various nursing theories, health promotion and their use with the nursing process. Emphasis is placed on the enhancement of critical thinking and clinical judgment skills required to promote health and manage illness. The theoretical basis for assessing and managing basic human needs is explored across the lifespan.

Credits: 3

NURS 320: Fundamentals of Nursing

This course focuses on nursing skills that beginning nursing students will need to provide safe, effective care to individuals experiencing health alterations across the lifespan. Emphasis will be placed on critical thinking, therapeutic communication, and interventions that promote optimal patient outcomes. Ethical, legal, and professional standards will be explored within the context of nursing practice. The nursing process will be used as a framework for problem solving, decision making, and organizing care of individuals. Guided lab and clinical experiences will provide students opportunities to acquire and practice appropriately leveled nursing skills.

Credits: 3

NURS 321: Introduction to Professional Nursing Practice

This course is designed to provide students with the opportunity to develop an understanding of the history of nursing and issues and trends of modern nursing. Emphasis will be placed on the legal, ethical, and professional standards of nursing practice. The course will provide an opportunity to explore the roles of the professional nurse as designer, coordinator, and provider of care.

Credits: 2

NURS 323: Nursing Research

This course is designed to provide learners the opportunity to develop an understanding of the research process in the nursing discipline. The course focuses on the contribution of research to the solution of problems in nursing. Emphasis is placed on defining a clinical research problem through an examination and critique of studies from nursing research and related disciplines. The use of evidence-based research in nursing is introduced.

Credits: 2

NURS 323OL: Nursing Research

This course is designed to provide students the opportunity to develop an understanding of the research process in the nursing discipline. The course focuses on the contribution of research to the solution of problems in nursing. Emphasis is placed on defining a clinical research problem through an examination and critique of studies from nursing research and related disciplines. The use of evidence-based research in nursing is introduced.

Credits: 2

NURS 324: Adult Health Nursing I

This course is designed to prepare the student to provide safe, holistic care for individuals with acute and chronic illnesses while applying concepts and principles from liberal arts, sciences, humanities, and the nursing discipline. Emphasis is placed on critical thinking, clinical judgment, decision-making, and health education. Clinical experiences provide an opportunity to apply theoretical knowledge in the performance of competencies that promote optimal patient outcomes.

Credits: 5

NURS 326: Nursing of the Childbearing Family

This course is designed to prepare the student to utilize the nursing process in providing care for families during the childbearing phase of the life cycle. The childbearing phase includes the preconception, antepartum, intrapartum, postpartum and neonatal periods. The course examines physiological, psychological, socio-cultural and developmental aspects of nursing care for the client. Emphasis is placed on critical thinking, clinical judgment, decision-making, and health education. Clinical experiences provide an opportunity to apply theoretical knowledge in the performance of competencies, to become familiar with various technologies involved in the care of the client, and to develop skills in caring for individuals and families that promote optimal patient outcomes.

Credits: 5

NURS 327: Interdisciplinary Health Care Ethics

This course introduces learners to ethical and bioethical issues confronting healthcare providers within the practice setting. Through didactic and small group instructions, ethical theory and principles are introduced and used to critically analyze and construct well-reasoned responses to ethical dilemmas. Utilizing the Beaubeu Grid method to collect and analyze case information, learners will refine their critical thinking skills (both verbal and written) through reading, writing, and resolving case material presented in the small group class sessions. Emphasis on collaborative dialogue between and among disciplines represents the hallmark of this course.

Credits: 2

NURS 327OL: Interdisciplinary Health Care Ethics

This course introduces learners to ethical and bioethical issues confronting healthcare providers within the practice setting. Through didactic and small group instructions, ethical theory and principles are introduced and used to critically analyze and construct well-reasoned responses to ethical dilemmas. Utilizing the Beaubeu Grid method to collect and analyze case information, learners will refine their critical thinking skills (both verbal and written) through reading, writing, and resolving case material presented in the small group class sessions. Emphasis on collaborative dialogue between and among disciplines represents the hallmark of this course.

Credits: 2

NURS 329OL: Nursing Issues

This course focuses on contemporary issues and trends within the nursing discipline. Learners will utilize critical thinking in the analysis and presentation of issues affecting nursing and health care in a global society. Legal, ethical, political, economic, and social issues are explored in a historical context to provide the student with perspective on the role of professional nursing in contemporary society. The importance of nursing science in nursing practice and in the development of nursing knowledge is included.

Credits: 3

NURS 400: Elective Clinical Nursing

The Clinical Nursing Elective course is a structured educational summer program designed to provide nursing students with an opportunity to improve their nursing skills in the clinical setting, while providing them with summer employment. Weekly educational sessions are designed specifically for the nurse externs. Nurse externs work within an agency to gain experience providing nursing care and services to patients. Nurse externs will work the assigned schedule as stipulated by the agency. The duties and responsibilities of the student nurse fall under the scope of practice for unlicensed health care providers within the agency providing the externship.

Credits: 3

NURS 412: Nursing of Infants and Children

This course is designed to prepare the student to provide safe, holistic care for infants, children, and families. Emphasis is placed on critical thinking, clinical judgment, decision-making, and health education. Clinical experiences provide an opportunity to apply nursing theory and concepts when implementing interventions to achieve optimal health for infants, children, and families.

Credits: 5

NURS 413: Culturally Congruent Care

This course is designed to help students increase awareness of how the delivery and acceptance of health care may be influenced by social, cultural and environmental factors and increase the delivery of culturally competent and congruent care to individuals, families, groups, communities and institutions. The course will utilize cultural concepts; theories and models; cultural assessment; critical thinking; and evidence-based practice appropriate for developing knowledge. Emphasis is also placed upon the use of the Culturally Competent Model of Care. Students will be able to analyze cultural factors that facilitate/hinder communication. Furthermore, experiential activities and practical applications of the learned classroom material will contribute to life-long learning.

Credits: 3

NURS 419: Death, Grief and Bereavement

This course is designed to provide learners with an introduction to death and dying and in-depth study of grief and bereavement. The student will examine the multifaceted nature of dying, grief and the grieving process. Emphasis is placed on assisting the individual and family in coping during death, dying and grieving across the lifespan. Included is a discussion of strategies for self-care during dying and grief interventions.

Credits: 3

NURS 419OL: Elective(Death, Grief and Bereavement)

This course is designed to provide learners with an introduction to death and dying and in-depth study of grief and bereavement. The student will examine the multifaceted nature of dying, grief and the grieving process. Emphasis is placed on assisting the individual and family in coping during death, dying and grieving across the lifespan. Included is a discussion of strategies for self-care during dying and grief interventions.

Credits: 3

NURS 421: Psychiatric Mental Health Nursing

This course is designed to provide learners with the opportunity to implement the nursing process with individuals, families, and groups in the mental health setting. Clinical experiences provide the opportunity to apply theory and develop skills in the management of individuals, families, and groups to promote mental health. Emphasis is placed on achieving optimum mental health outcomes through collaboration with other health and social disciplines, community groups, and consumers.

Credits: 5

NURS 431: Health Policy & Economics

This course is designed to provide students the opportunity to develop an understanding and appreciation of the policy-making process and its impact on nursing practice, health care delivery and health care finance. Emphasis will be placed on analysis of major economic, historical, social, legal, political and ethical influences on policy formulation, implementation and evaluation. Through a variety of field experiences, the focus will be on critical analysis of and participating in health policy and politics that drive the health care delivery system of the United States.

Credits: 2

NURS 431OL: Health Policy and Economics

This course is designed to provide students the opportunity to develop an understanding and appreciation of the policy-making process and its impact on nursing practice, health care delivery and health care finance. Emphasis will be placed on analysis of major economic, historical, social, legal, political and ethical influences on policy formulation, implementation and evaluation. Through a variety of field experiences, the focus will be on critical analysis of and participating in health policy and politics that drive the health care delivery system of the United States.

Credits: 2

NURS 434: Adult Health Nursing II

This course is designed to provide a theoretical knowledge base in caring for high-acuity individuals experiencing complex care problems and to examine the interrelationships among physiological concepts to assure competent and safe nursing practice. Clinical experiences provide an opportunity to translate the critical pathophysiological concepts to the high acuity client in a clinically applicable manner and enhance clinical decision-making in the performance of competencies that promote optimal patient outcomes.

Credits: 5

NURS 436: Community Health Nursing

This course is designed to provide students with the opportunity to develop understanding of the concept of community primary healthcare. This course will provide opportunity to integrate the nursing process in care of individuals, families, groups, aggregates and populations in various community settings. Emphasis is on promoting optimal health outcomes through collaboration with inter-professional teams and community groups.

Credits: 3

NURS 437OL: Community Mental Health Nursing

This course is designed to provide students with the opportunity to develop understandings of the concepts of community and mental health nursing. The course will provide theory and clinical opportunities to integrate the nursing process in developing population-specific care in community and mental health settings. Emphasis is on promoting optimal health outcome through partnerships with inter-professional teams and community groups.

Credits: 5

NURS 438: Nursing Leadership

This course is designed to provide students the opportunity for role development as a designer, coordinator, and manager in the health care delivery systems. Concepts and theories of leadership management, organization change, decision making, finance, politics, and human resource management are examined. Leadership and management roles and strategies are analyzed in relation to a changing health care system. Emphasis is placed on the application of concepts and theories in a variety of settings.

Credits: 3

NURS 438OL: Nursing Leadership

This course is designed to provide students the opportunity for role development as a designer, coordinator, and manager in health care delivery systems. Concepts and theories of leadership, management, organization change, decision making, finance, politics, and human resource management are examined. Leadership and management roles and strategies are analyzed in relation to a changing health care system. Emphasis is placed on the application of the concepts and theories in a variety of settings.

Credits: 3

NURS 440: Nursing Synthesis

This course is designed to provide students the opportunity for role development as a designer, coordinator, and manager in the health care delivery systems. Concepts and theories of leadership management, organization change, decision making, finance, politics, and human resource management are examined. Leadership and management roles and strategies are analyzed in relation to a changing health care system. Emphasis is placed on the application of concepts and theories in a variety of settings.

Credits: 3

Radiation Therapy Program

RASC

Radiation therapy utilizes radiation and radioactive isotopes in the treatment of disease, primarily cancer. The radiation therapists provide services for treatment of malignant and non-malignant disease. They are responsible for localizing the tumor, implementing the treatment plan, observing and evaluating clinical progress of the patient.

The therapists are also responsible for safe operation of high tech, high-energy radiation -producing equipment; and assisting in the preparation and administration of different types of radioactive material used for therapeutic purposes. The radiation therapists are professionals who not only possess superior clinical skills, but strong academic and theoretical knowledge as well. The clinical education phase of the program is designed to reinforce didactic information as it relates to clinical procedures. It is expected that through this effort, greater cohesion can be achieved between the two learning environments, thereby facilitating a greater transfer of knowledge between them.

Degree Program

The four-year integrated academic and clinical program has two divisions. The Lower Division includes the first and second years where students complete general education requirements. Individuals who successfully complete all Lower Division requirements are eligible to apply for admission into the Upper Division. The Upper Division includes didactic courses as well as a clinical education component throughout the third and fourth years. The clinical education phase of the program is designed to reinforce didactic information as it relates to clinical procedures. It is expected that through this effort, greater cohesion can be achieved between the two learning environments, thereby facilitating a greater transfer of knowledge between them. During clinical education, students have an opportunity to receive practical experience at prestigious affiliating hospitals.

Accreditation

The Radiation Therapy Program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606; 312.704.5300: www.jrcert.org. At its May 2013 meeting, the Joint Review Committee on Education in Radiologic Technology (JRCERT) voted to place the Howard University Radiation Therapy Program on probation until its next comprehensive review in September 2014. Accreditation–Probation is a temporary status of accreditation conferred when a program does not meet the *Standards* and when the capability of the program to provide an acceptable educational experience for its students is threatened. Specific questions regarding the program and its plans regarding probation should be directed to Ms. Adrienne Harrison, M. S., R. T. (T), Program Director at 202-806-5920.

Admissions

Lower Division

Students must meet Howard University's general admission requirements.

- Cumulative grade point average of 2.8 on a 4.0 scale
- Submission of program application forms and official transcript(s) by February 15th
- Background Screening and Assessment Examination

Upper Division

Students should request the program application package from the Department of Radiation Therapy. Requirements include:

The completed application package must include:

- [Completed Upper Division Application Form](#)
- Attain a minimum grade point average of 2.8 on a 4.0 scale
- Statement of Interest and Goals; Biographical Sketch
- Three Recommendation Forms and Personal Interview

Technical Standards for Admissions

Individuals with disabilities will be individually considered on the basis of their ability. Reasonable accommodation for disabled students will be provided as required by law. NOTE: Should you desire to arrange for a disability accommodation in conjunction with completing the application process, please contact Dr. Elaine Bourne Heath, Special Student Services, (202) 238-2420.

RASC 211: Radiation Therapy Orientation

This course provides an introduction and an overview of the discipline of radiation therapy. The content includes the basic principles, practices and policies regarding the radiation therapist's role in the management of cancer, professionalism, and ethical issues in cancer care. Academic, departmental personnel, administrative structures, radiation and health safety procedures, related professional organizations, professional skills and life-long learning are discussed.

Credits: 2

Prerequisites:

Sophomore status in the program or by permission of the department head.

RASC 310: Clinical Radiotherapy I

Clinical practicum in radiation oncology facilities at affiliating institutions to fulfill sequential clinical program requirements. Course includes an extensive overview of program and clinical policies, procedures and expectations in preparation for clinical practicum.

Credits: 2

Prerequisites:

Successful completion of all prerequisite courses and admission into the upper division of the program.

RASC 311: Principles and Practice of Radiation Therapy

. Provides an overview of the historic and current management of neoplastic disease, decision process, physical and technical aspects of radiation therapy, function and structure of simulation/treatment equipment, ethical and legal considerations related to the scope and practice of radiation therapists.

Credits: 3

Prerequisites:

RASC 211 and successful admission into the upper division of the program.

RASC 312: Environment and Radiation Protection

Content includes basic principles of radiation protection, biological effects, surveys, detection, measurement, personnel monitoring, environmental, health, legal and safety requirements of federal, state, and local regulatory agencies and healthcare organizations.

Credits: 2

Prerequisites:

Successful completion of all prerequisite courses and admission into the upper division of the program

RASC 313: Radiation Therapy Physics

Presents the applied physics related to radiation therapy and focuses on structure of matter, properties of matter, properties of radiation, nuclear transformations, principles of image production, treatment equipment, types of radiation, beam quality, dose measurement and distribution.

Credits: 3

Prerequisites:

Successful completion of all prerequisite courses and admission into the upper division of the program

RASC 314: Cross Sectional Anatomy

Content includes the medical imaging modalities in radiation therapy with special emphasis on CT. Knowledge of anatomic structures are reviewed through a variety of sectional images.

Credits: 2

Prerequisites:

Successful completion of prerequisite courses and admission into the upper division of the program.

RASC 315: Introduction to Oncology

Course provides an introduction to the field of Oncology, including Surgical Oncology, Medical Oncology, Radiation Oncology, Radiation Effects and Complementary and Alternative Medicine in Cancer Management.

Credits: 2

Prerequisites:

Successful completion of prerequisite courses and admission into the upper division of the program.

RASC 320: Clinical Radiation Therapy II

A continuation of sequential assignments at radiation oncology affiliations to fulfill clinical program requirements. This clinical course is designed to foster the development of future radiation therapists.

Credits: 2

Prerequisites:

Completion of first semester in upper division.

RASC 323: Imaging and Radiation Therapy

This course is designed to establish a basic knowledge of Radiation Therapy related imaging principles and techniques used during the treatment planning and verification process.

Credits: 3

Prerequisites:

RASC 310.

RASC 324: Patient Care and Management

. Provides the student with concepts and competencies in assessment, management, and evaluation of patient care including considerations of physical and psychosocial aspects. Routine and emergency patient care procedures will be emphasized. The role of the radiation therapist in patient education

Credits: 3

Prerequisites:

RASC 310, 311, 312, 313.

RASC 325: Radiation Oncology I

The course is part two in the overview of multidisciplinary cancer management. Content covered includes anatomy, physiology review, etiology, epidemiology, detection and work-up, diagnosis, patterns of spread, staging, treatment techniques, organs at risk and multimodality management, and prognosis of specific cancer sites with emphasis on treatment assessment, delivery and evaluation. Also reviews the role of the radiation therapist in patient education including associated acute and chronic effects and management.

Credits: 3

Prerequisites:

RASC 311, RASC 310, MDAN 168, MPHY 101 or equivalent.

RASC 326: Radiation Therapy Physics II

A continuation of RASC 313 to include the physical parameters of various radiation treatment techniques, calculations and measurements. Also included are quality assurance considerations and brachytherapy.

Credits: 3

Prerequisites:

RASC 313.

RASC 327: Pathophysiology

Presents basic pathological concepts and principles related to the nature of disease and its effects on the body tissues and its organs. This information will assist the student radiation therapist in the describing the pathologic conditions, clinical signs and symptoms and associated laboratory methods used to assess the diagnosis and the treatment of various diseases encountered during clinical practice.

Credits: 3

Prerequisites:

MDAN 168, MPHY 102.

RASC 330: Clinical Radiation Therapy III

Clinical practicum in the radiation oncology departments at affiliated institutions

Credits: 3

Prerequisites:

RASC 320 as well as successful completion of first year Upper Division courses.

RASC 335: Clinical Radiotherapy IV

Clinical practicum in the radiation oncology departments at affiliated institutions.

Credits: 3

Prerequisites:

RASC 330.

RASC 410: Clinical Radiotherapy V

Clinical practicum in the radiation oncology departments at affiliating institutions or in associated departments

Credits: 2

Prerequisites:

Successful completion of RASC 335.

RASC 412: Treatment Planning I

Focuses on basic concepts of radiation treatment planning through lecture and laboratory exercises. Includes the theoretical and practical application of dose calculations, localization of tumors, and factors that impact basic treatment planning

Credits: 3

Prerequisites:

RASC 313, 327.

RASC 414: Problem Solving

Continuation of content that is designed to address issues related to the scope and practice of radiation therapists, Lecture/Lab.

Credits: 1

Prerequisites:

RASC 335.

RASC 415: Radiation Oncology II

Completion of Radiation Oncology in the management of various systems in cancer care delivery. RASC 325

Credits: 3

Prerequisites:

RASC 324, 327, 330, 335.

RASC 420: Clinical Radiation Therapy VI

Completion of sequential clinical practice at mastery-level competence in radiation oncology conducted at affiliating institutions

Credits: 5

Prerequisites:

RASC 410.

RASC 422: Problem Seminar and Lab

Designed to provide a comprehensive review for seniors in preparation to take the national board examination and problem solve various situations they may encounter during entry-level employment.

Credits: 3

Prerequisites:

Completion of three semesters of professional study.

RASC 426: Treatment Planning II

Continuation of Treatment Planning I. RASC 410, 412.

Credits: 2

RASC 427: Radiation Biology

Principles of cell biology and radiation interaction, effects of radiation and other factors on cell response, acute and chronic effects of radiation are discussed

Credits: 2

Prerequisites:

RASC 312.

RASC 430: Clinical Radiation Therapy VII

Clinical practicum in the radiation oncology departments at affiliated institutions (if needed to complete graduation requirements).

Credits: 2

Prerequisites:

RASC 420.

School of Education

The School of Education *prepares* transformational leaders as highly qualified teachers, reflective practitioners, effective administrators and engaged researchers who influence educational policies and practices relevant to Black and other underserved populations; we *empower* individuals, schools, and communities; and we *promote* racial and social justice.

DIVISIONS AND DEPARTMENTS

DEPARTMENT OF CURRICULUM & INSTRUCTION

DEPARTMENT OF EDUCATIONAL LEADERSHIP & POLICY STUDIES

DEPARTMENT OF HUMAN DEVELOPMENT & PSYCHOEDUCATIONAL STUDIES

UNDERGRADUATE MAJORS, PROGRAMS, AND CONCENTRATIONS

Elementary Education

Human Development

Secondary Minors: English, Math, Music Education, Physical Education, Social Studies, Theatre Arts

SEED 150: Survey and Education of Exceptional Children

Discusses current trends in special education and the educational psychological needs of students with disabilities. This course SEED 150 is the same as ELEM 150

Credits: 3

Elementary Education

EDUC

EDUC 100: Orientation & Pre-Professional Seminar

This course is a prerequisite for matriculation in the Bachelor of Science in Elementary Education program. It is designed to orient potential candidates to the University, to the School of Education, and to the elementary education program. A variety of individual and small group reflections, discussions, activities, simulations, etc. will provide students with a critical look at the teaching profession. Students will have an opportunity to assess or reassess their desire, dispositions, and suitability for teaching diverse elementary school children. Students must satisfactorily complete the 1-credit orientation/seminar no later than the end of the first semester of their freshman year. Undergraduate

Credits: 1

EDUC 120: International Education for Contemporary Societies

This course is designed to provide a comprehensive overview of the policies and practices of educational systems around the world, with a special emphasis on the global south. Using an interdisciplinary lens, the focus is on developing global competencies that promote global citizenship and a better understanding of global education issues in the contemporary world. Global education movements like Education For All (EFA), gender inequalities, education and conflict, education and immigration, teacher quality, and international conventions and agreements will be examined. A significant international service learning component is also included and is designed to help bridge theory and practice from the local to the global. Undergraduate

Credits: 3

EDUC 210: Foundations & Urban Education

This foundational course will examine urban education from the perspectives of what it means to teach in urban environments, issues that impact urban schools, policies and practices that influence teaching, families and urban communities, and classroom management. It will focus on a broad interdisciplinary view of school as an educational institution and its relationship with urban societies and communities. Sociological and philosophical views will be used to examine how history, race, class, politics, and media have influenced the structure and function of urban education systems. Students will be expected to engage in field experiences in area classrooms.

Credits: 3

EDUC 212: Educational Psychology: Learning & African American Learners

This course provides pre-service teachers with the theoretical bases of learning and development necessary to obtain the goals of effective teaching and learning among African American and other diverse student populations. Candidates will examine many questions and answers involving education in today's urban society and promote the understanding and appreciation of principles associated with the learner, learning, and classroom processes. The primary focus of this course is the integration of theories of child growth and development within the practical setting of the school environment.

Credits: 3

Prerequisites:

Department Approval

EDUC 212: Educational Psychology: Learning & African American Learners

This course provides pre-service teachers with the theoretical bases of learning and development necessary to obtain the goals of effective teaching and learning among African American and other diverse student populations. Candidates will examine many questions and answers involving education in today's urban society and promote the understanding and appreciation of principles associated with the learner, learning, and classroom processes. The primary focus of this course is the integration of theories of child growth and development within the practical setting of the school environment.

Credits: 3

Prerequisites:

Department Approval

EDUC 218: Foundations & Processes of Reading Acquisition

This course provides pre-service/in-service candidates with knowledge, skills, and dispositions to provide evidence-based literacy instruction for African American and diverse learners in grades 1-6 in urban areas. The course develops students' ability to deliver multiple methods of traditional and technology-based instruction to meet literacy needs in a variety of settings. Emphasis will be placed on asset-based theories and applications that can positively influence students, families, and communities.

Credits: 3

EDUC 219: Schooling for Diverse Populations in American Society

The course addresses the philosophy, history and sociology of American education, particularly with regard to the role of diversity in development and operation of the nation's education system. Particular attention will be paid to major social, political, and economic forces that have shaped and continue to shape American schools and educational practices. Additionally, the course is designed to build among pre-service teachers a global awareness of how racial, cultural, linguistic, gender, income, and ability diversity affect educational opportunity. It is expected that this course will enable candidates to (a) discern the extent to which some forms of teaching and learning enhance democratic ideals, while others do not and (b) begin to develop a professional identity that also reflects the ideals of equal access and social justice.

Credits: 3

EDUC 220: Learners with Diverse Cognitive, Behavior, & Language Characteristics

This foundational course focuses on providing students with knowledge about individuals who possess exceptional learning needs because of their diverse cognitive, behavioral, and linguistic abilities. This course focuses on students considered to have high incidence disabilities, as well as those considered gifted. The course will challenge candidates to view all exceptional learning needs from an asset-based perspective while encouraging advocacy for a more equitable and inclusionary society. Candidates will examine the history of special education, legislation, and laws that support the educational rights of individuals with disabilities, their families, and caregivers. Field-based experiences will enable candidates to gain perspective on the life experiences, challenges, and abilities individuals with disabilities.

Credits: 3

EDUC 221: Talent Development Model of Schooling

This course is designed for pre-service educators to gain knowledge and skills predicated on a comprehensive schooling model – the Talent Development Model - that espouses that all students can learn to high standards and provides evidence-based practices, activities and programs to ensure that this lofty goal for students is actually attainable. The background and research base for this model will be presented, as will practical examples of what the model looks like when it is implemented in schools serving primarily urban or ethnic minority children and youth.

Credits: 3

EDUC 222: Engaging Urban Parents, Families & Communities

This course, in addition to providing a brief review of empirical data that supports the need for parent involvement, is designed to support pre-service candidates in broadening their conception of parent involvement. Candidates will become aware of the strategies that minority and low-income parents often use to support their children's education; explore strategies for increasing the participation of culturally and linguistically diverse parents in traditional parent involvement activities; and generate strategies for collaborating in culturally responsive ways with families, other educators, related service providers, and personnel from community agencies.

Credits: 2

EDUC 223: Instructional Technology for 21st Century

This course emphasizes the design and facilitation of learning environments that apply technology-enhanced instructional strategies to maximize student learning. Candidates will apply current research and instructional design principles to create 21st century learning experiences for students. Topics will include technology concepts; use of technology-enhanced instructional strategies and materials; adaptive technology for children with exceptionalities; technology enhanced assessment/evaluation; and ethical issues surrounding the use of technology. Upon completion, students should be able to apply technology-enhanced instructional strategies, use a variety of technology resources, and demonstrate appropriate technology skills in educational environments.

Credits: 3

EDUC 225: Earth Science and Elementary Science Practices (and Lab)

This course provides candidates with knowledge, skills, and dispositions to render content-rich and rigorous science instruction for African American and diverse urban learners in grades 1-6. Candidates will be exposed to content that supports an elementary school science program including life science, physical science, environmental science, earth science and space science. Candidates will have opportunities to explain, interpret, analyze, synthesize, and evaluate major national and global issues and developments in these science disciplines. Hands on activities, demonstrations, field studies, and virtual labs and trips will be utilized to reinforce basic concepts.

Credits: 3

EDUC 310: Educational Psychology and Special Education

A course offering an opportunity to examine educational issues and additional learning needs from psychological perspectives.

Credits: 3

EDUC 311: Special Education and Classroom Management

This course focuses on providing students with knowledge about individuals who possess exceptional learning needs because of their diverse cognitive, behavioral, and linguistic abilities. Candidates will examine the history of special education, legislation, and laws that support the educational rights of individuals with disabilities, their families, and caregivers. In addition, this course offers practical guidance for pre-service teachers to learn and apply classroom and behavior management techniques in both regular and special education settings. Field experiences are required.

Credits: 3

Prerequisites:

Department Approval

EDUC 312: Introduction to Assessment & Measurement

This course is designed to provide pre-service and in-service teachers with basic competencies in educational assessment and measurement that can be used to improve instruction through better assessment of all students, including those with special needs. The point-of-view that instruction and assessment should blend together in the teaching/learning process will be emphasized throughout the course. Beginning teachers will learn how to: design various types of assessments; evaluate students and discuss evaluations with parents; interpret standardized and teacher-constructed assessment data; and use the information to improve teaching and learning. Issues related to validity, reliability, fairness, bias, and technology will be discussed.

Credits: 3

EDUC 314: Principles of Teaching Math & Science in Urban Classrooms I

This course provides candidates with knowledge, skills, and dispositions to deliver content-rich and rigorous mathematics and science instruction for African American and diverse urban learners in grades 1-3. Candidates will have opportunities to employ a variety of instructional strategies to integrate math and science content and the Common Core State Standards through the Principles of Learning Mathematics and Science. Constructivist, behaviorist, cognitivist, and asset-based approaches and methodologies will be emphasized in this course. Field-based experiences will provide an opportunity for candidates to design, develop and implement evidence-based lessons in science and mathematics for national and global student populations.

Credits: 4

Prerequisites:

Department Approval

EDUC 315: Principles of Teaching Math & Science in Urban Classrooms II

This course provides candidates with knowledge, skills, dispositions and pedagogy to deliver content-rich, rigorous mathematics and science instruction for African American and diverse urban learners in grades 4 – 6. Candidates will have opportunities to employ a variety of instructional strategies to integrate mathematics and science content and the Common Core State Standards through the Principles of Learning Mathematics and Science. Constructivist, behaviorist, cognitivist, and asset-based approaches and methodologies will be emphasized during this course. Field-based experiences will provide an opportunity for candidates to design, develop and implement evidence-based lessons in science and mathematics for national and global student populations.

Credits: 4

EDUC 316: Strategies for Teaching English Language Learners

This course is designed to help teachers understand critical issues that influence the language learning and educational achievement of culturally and linguistically diverse students. The course will provide pre-service candidates without a background in ELL pedagogy with rudimentary information about the characteristics of non-native speakers, the influence of English language acquisition on student performance and classroom interactions, and best-practice, instructional strategies that can enable them to successfully access core curriculum and achieve high academic outcomes.

Credits: 2

EDUC 321: Literature & Writing in Urban, Elementary Schools

This course addresses the functions of literature in child development, criteria for selecting literature for children, and methods of using children's literature in the classroom. Candidates will explore oral and written literary traditions and the major genres and types of children's literature. Candidates will plan and present classroom activities with a specific emphasis on curriculum integration and the use of asset-based approaches for developing the literary and writing skills of urban, culturally and linguistically diverse elementary school students.

Credits: 3

EDUC 322: Teaching Language Arts and Social Studies in Urban Elementary Schools

This course provides pre-service candidates with knowledge, skills, and dispositions they need to provide evidence-based instruction in literacy and social studies to African American and other diverse learners in inclusive, urban, elementary school settings. The course employs a balanced approach to teaching language arts and social studies that includes multiple methods of instruction and technology. The course emphasizes the use of asset-based theories and applications to provide elementary students with culturally affirming instruction in reading, writing, speaking, listening, and social studies.

Credits: 3

Prerequisites:

Department Approval

EDUC 323: Literacy Assessment & Instructional Frameworks in Urban, Elem Schools

This course provides pre-service/in-service candidates with knowledge, skills, and dispositions to assess and support the literacy development of African American and diverse learners in grades 1-6 in urban settings. Candidates will engage in practical experiences for diagnosing, monitoring, preventing, and remediating literacy difficulties using a range of formal and informal reading assessments. Emphasis on asset-based theories and applications will provide candidates with instructional approaches for enhancing literacy achievement.

Credits: 3

EDUC 324: Teaching Social Studies, Arts, Health and PE in Urban Elem Schools

This course focuses on the aims, scope, and integration of methods for teaching the Arts, Health and Physical Education across the curriculum. The course utilizes a constructivist approach to teaching and learning that enables candidates to devise, select, and implement effective instructional strategies for developing diverse learners' knowledge and skills in the arts, health education and physical education. A considerable field experience component is included.

Credits: 4

EDUC 410: Pedagogy & Content Literacy

This course emphasizes research-based teaching and learning principles for achieving content-specific and broader outcomes. Moreover, this course focuses on helping candidates to prepare students to handle content literacy demands of the discipline. Methods, strategies, technology, and program models appropriate for secondary students are explored.

Credits: 3

Prerequisites:

Department Approval

EDUC 412: Research Foundations & Methods for Classroom Teachers

This course is designed to equip candidates with the knowledge, skills, and dispositions that are essential to functioning as competent researchers, with a specific emphasis on teacher-led research. By providing multiple experiences that enable candidates to evaluate and conduct educational research, the course broadens candidates' knowledge of literature related to current trends in curriculum and teaching, increases their ability to generate sound educational research, and facilitates their development as reflective professionals and educational change agents. As a final course requirement, candidates will plan, implement, analyze, and interpret the results of an action research project.

Credits: 3

EDUC 420: Interdisciplinary Research in STEM

This course facilitates candidates' ability to develop science, technology, engineering, and mathematics (STEM) related research projects using tools, models, and theories from a variety of disciplines, emphasizing knowledge of multiple perspectives and research methodologies. Candidates will form interdisciplinary research teams to explore the implications and impacts of interdisciplinary, transdisciplinary, and multi-disciplinary research in urban school settings.

Credits: 3

EDUC 430: Methods and Instructional Technology

This course also emphasizes the design and facilitation of learning environments that apply technology-enhanced instructional strategies to maximize student learning. Candidates will apply current research and instructional design principles to create 21st century learning experiences for students.

Credits: 3

EDUC 450: Internship and Classroom Management.

This course is the seminal clinical internship for prospective teachers and new teachers. The course is designed to prepare prospective and new teachers for teaching in the urban and diverse settings. Students are given opportunities to develop patterns of thinking and knowing with respect to an understanding of self as teacher. The internship is centered on the critical activities of teaching and learning – planning lessons, evaluating student work, developing curricula, and enforcing standards on a full-time basis. The internship provides an opportunity to better understand and discover practical applications of the INTASC Standards. The support seminar fosters analysis and communication of these understandings and discoveries.

Credits: 9-12

Prerequisites:

Department Approval.

EDUC 450: Internship and Classroom Management.

This course is the seminal clinical internship for prospective teachers and new teachers. The course is designed to prepare prospective and new teachers for teaching in the urban and diverse settings. Students are given opportunities to develop patterns of thinking and knowing with respect to an understanding of self as teacher. The internship is centered on the critical activities of teaching and learning – planning lessons, evaluating student work, developing curricula, and enforcing standards on a full-time basis. The internship provides an opportunity to better understand and discover practical applications of the INTASC Standards. The support seminar fosters analysis and communication of these understandings and discoveries.

Credits: 9-12

Prerequisites:

Department Approval.

EDUC 480: International Internship & Special Topics Seminar

International Internship & Special Topics Seminar. The course offers students the opportunity to integrate pedagogical and theoretical concepts related to teaching and learning in an international context. Candidates will develop global competencies and teaching skills via exposure to international students and educational environments. The seminar aspect of the course will employ online discussions, journal writing, and interdisciplinary readings to enrich candidates' cross cultural experiences and facilitate their intercultural development.

Credits: 9

Human Development

HUDV

HUDV 001: Freshman Orientation Seminar in Human Development

Designed to provide incoming students with transition into college life and the academic structure of the human development major.

Credits: 1

HUDV 004: Honors Directed Reading

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor

Credits: 1

HUDV 006: Honors Undergraduate Research

Instructor-guided instruction focused on the course topic. Students are required to complete a significant research paper or project.

Credits: 1

HUDV 008: Honors Thesis

Support the conceptualization and development of a thesis or capstone project under the supervision of the faculty adviser.

Credits: 1

HUDV 095: Human Development, Family, Culture and Society

Provides a framework for understanding human development and family relations.

Credits: 3

HUDV 113: Prenatal, Infancy and Early Childhood Development

Examines developmental nature and determinants, conception to two years, emphasizing the environment.

Credits: 3

HUDV 114: Growth and Development in Childhood and Adolescence

Deals with growth and development from early childhood to early adolescence.

Credits: 3

HUDV 118: Children and Adolescents Placed at Risk

Examines development gone awry during infancy, childhood and adolescence from ecological, developmental, cultural, and other theoretical frameworks.

Credits: 3

HUDV 119: Diverse Youth of Color

Investigates contemporary environmental factors affecting the African American child, stressing strengths and meaningful curricula.

Credits: 3

HUDV 120: Interdisciplinary Perspectives in Human Development

Treats developmental theories and research, from infancy to adulthood.

Credits: 3

HUDV 141: Risk and Resiliency in Families and Intimate Relationships.

Explores the parameters and dynamics of female-male roles and the relationships and factors influencing marital and familial success.

Credits: 3

HUDV 143: Parentology: Theory, Research, and Support Systems

Examines parenting theory and research and its application to rearing healthy children.

Credits: 3

HUDV 148: Research in Human Development

Deals with methodologies and descriptive/inferential research for developmental models of life stages.

Credits: 3

HUDV 149: Youth, Consumer Culture and the Earth

Examines the needs of individual and families across the life span, from an ecological framework, and explores social forces and that influence development within society.

Credits: 3

HUDV 150: Positive Aging in Adult Development

Analysis of typical development and problems of behavioral and physiological changes in the aging process, with educational/counseling implications.

Credits: 3

HUDV 151: Thanatology: Death and Dying

The study of behavioral and emotional aspects of death and dying.

Credits: 3

HUDV 169: Internship in Human Development

Involves selective field experiences in infancy, childhood, adolescence, adulthood, aging, or parentology.

Credits: 6

HUDV 191: Service Learning in Human Development

Individual student service learning projects including community outreach, volunteer work, research, and field work.

Credits: 3

HUDV 202: Honors First Semester Sem. I

An instructor-led course, usually credit-bearing, with a small number of students collectively exploring the human development major and the honors program.

Credits: 1

HUDV 204: Honors Directed Readings

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

HUDV 207: Honors Undergrad Research I

A supervised study on a research project chosen in conjunction with an appropriate faculty supervisor.

Credits: 1

HUDV 209: Honors Thesis I

Support the conceptualization and development of a thesis or capstone project under the supervision of the faculty adviser.

Credits: 1

Civil Engineering

CIEG

COURSE DESCRIPTIONS

CIEG 102: Introduction to Civil Engineering

Introduces the student to the disciplines within civil engineering and skills needed for success in the major and profession, including MathCAD.

Credits: 3

Prerequisites:

EGPP 101.

CIEG 104: Civil Engineering Software & Design

Civil engineering involves the planning, design, construction, and operation of facilities that support the quality of life for all people, from road networks to water treatment systems to buildings and their foundations. This course will utilize a variety of teaching and learning techniques to introduce students to the civil engineering discipline, including the concentration areas of transportation, environmental, water resources, structural, and geotechnical engineering. Students will work individually to conduct research on civil engineering topics and familiarize themselves with skills/tools needed for success in the field including the following: technical writing, MathCAD, and AutoCAD. By the end of the course, students will be able to:

1. Use MathLab, MathCAD and AutoCAD to complete basic engineering analyses and design.
2. Identify and describe the civil engineering disciplines.
3. Prepare and deliver effective oral presentations.
4. Demonstrate technical writing competencies appropriate for civil engineering practice.

Credits: 3

Prerequisites:

EGPP 101.

CIEG 202: Statics

Introduction to vectors, pseudo-graphical and analytical micro-computer aided resolution and composition of forces; equilibrium of collinear, concurrent, and non-concurrent two and three dimensional force systems, as applied to particles and rigid bodies. Coulomb friction; Hooke's law; introductory application of equilibrium, compatibility, and constitutive relations in the determination of forces moments, displacements and rotations of simple deformable bodies and biomechanical systems, using simple computer aids.

Credits: 3

Prerequisites:

MATH 157; PHYS 013.

CIEG 207: Introduction to Environmental Engineering

Introduces concepts in water supply, water and wastewater treatment, air quality, solid and hazardous waste management, and social and ethical considerations. Provides a brief history and background of environmental engineering.

Credits: 3

Prerequisites:

CHEM 003.

CIEG 301: Mechanics of Materials Lecture

Introductory analysis of tension, compression and shear; analysis of stress and strain; ties, shafts, beams and columns; related laboratory experiments and computer applications; introduction to structural analysis and design. This course must be taken during the same semester as CIEG 301b, Mechanics of Materials Lab. Exceptions must be approved by Instructor prior to course registration.

Credits: 4

Prerequisites:

MATH 159; CIEG 302, Coreq.: MEEG 309.

CIEG 302: Dynamics

Study of motions of particles; particle systems, rigid bodies and simple deformable mass system; rectilinear and curvilinear kinematics; Newton's laws of motion and gravitation; work energy and impulse-momentum principles; conservation laws for energy and momentum; introduction to vibrations; computer-aided applications.

Credits: 3

Prerequisites:

CIEG 202; Coreq.: MATH 159.

CIEG 303: Mechanics of Materials Lab

Experimental laboratory to accompany Mechanics of Materials lecture. This course is a co-requisite of CIEG 301, Mechanics of Materials Lecture.

Credits: 1

CIEG 311: Fluid Mechanics Lecture

Theoretical studies of fluid properties, hydrostatics, and kinematics of fluid motion; continuity; Bernoulli; impulse-momentum; drag and resistance to flow laboratory studies. This course must be taken during the same semester as CIEG 311b, Fluid Mechanics Lab. Exceptions must be approved by Instructor prior to course registration.

Credits: 3

Prerequisites:

MATH 159; CIEG 302.

CIEG 313: Fluid Mechanics Lab

Experimental laboratory to accompany Fluid Mechanics lecture. This course is a co-requisite of CIEG 311, Fluid Mechanics Lecture.

Credits: 1

CIEG 314: Basic Structural Analysis

Includes forms and concepts; statically determinate structures; and reactions, shears, moments, and deflections in beams, trusses, and frames. Introduction to design of simple elements and connections.

Credits: 3

Prerequisites:

CIEG 301.

CIEG 328: Unit Operations in Environmental Engineering

Analysis and basic design of treatment facilities for the remediation of air, water and land pollution.

Credits: 3

Prerequisites:

CIEG 207.

CIEG 349: Analysis Methods in Civil Engineering

The course includes a method in civil engineering including structural systems and basic analysis *methods* for beams, frames, and trusses.

Credits: 3

CIEG 350: Engineering Economics

Examines principles of accounting, time value of money, depreciation, taxes, retirement, and economic analysis of alternatives for use in personal finances and engineering projects.

Credits: 3

Prerequisites:

MATH 157. {Note: replaces Engineering Systems Analysis}

CIEG 351: Probability and Statistics

Stochastic and deterministic statistical modeling: probability and statistics for univariate analysis including probability density functions, confidence intervals and hypothesis testing. Probability and statistics for multivariate analysis including regression analysis, confidence intervals and hypothesis testing; PCA, ANOVA, and risk-based design concepts.

Credits: 3

Prerequisites:

MATH 158.

CIEG 352: Water Resources Engineering I,

Classical and statistical hydrology: hydrologic cycle, hydrologic processes, physical watershed characteristics, hydrologic modeling, collect analyze and interpret meteorological and hydrologic data using statistical analysis for design of hydrologic and hydraulic structures. Remote sensing data in hydrology.

Credits: 3

Prerequisites:

CIEG 351.

CIEG 354: Engineering Economics

Examines principles of accounting, time value of money, depreciation, taxes, retirement, and economic analysis of alternatives for use in personal finances and engineering projects.

Credits: 3

Prerequisites:

MATH 157 (**Note: Replaces Engineering Systems Analysis**)

CIEG 400: Special Topics in Civil Engineering

Presentation of material not normally available in regular course offerings or offering of new courses on a trial basis. Content determined by faculty member in consultation with the Department Chair.

Credits: 3

CIEG 407: Intelligent Transportation Systems

Command, controls and communications in modern multimodal transportation; infrastructure/highway and vehicle automation, advanced traffic management, vehicle control and safety systems; information data, and sensory requirements; practical application.

Credits: 3

Prerequisites:

CIEG 416, CIEG 465

CIEG 416: Transportation Engineering

Involves planning and design of highways. Students work in teams during the preparation of the required design plans, cost estimates and project reports.

Credits: 3

Prerequisites:

CIEG 207; CIEG 302; CIEG 350.

CIEG 419: Structures II

Theory of structural principles; determinacy and stability, approximate analysis of statically indeterminate structures; influence lines and moving loads; calculation of deflections; analysis of statically indeterminate structures using flexibility method.

Credits: 3

Prerequisites:

CIEG 314.

CIEG 420: Matrix Structural Analysis

Continuation of analysis of statically indeterminate structures; moment distribution; introduction to matrix formulation of the direct stiffness method (emphasized) and the flexibility method (for reference); elementary finite element analysis techniques; introduction to nonlinear (plastic) analysis; structural stability; and structural dynamics.

Credits: 3

Prerequisites:

CIEG 419

CIEG 422: Steel Design

Principles of structural design, loads, types of steels, tension members, columns, non-composite and composite beams, beam-columns, column base plates, and simple bolted and welded connections. The use of the AISC LRFD specification is emphasized and a comprehensive group design project is assigned.

Credits: 3

Prerequisites:

CIEG 314.

CIEG 433: Foundations

Based on the principles of soil mechanics, fluid mechanics, and solid mechanics, covers the bearing capacity and settlement analysis of shallow and mat foundations, an introduction to deep foundations, and design of earth retaining structures. Analytical, empirical, and computational methods are used.

Credits: 3

Prerequisites:

CIEG 434.

CIEG 434: Soil Mechanics Lecture

Provides for appreciation and understanding of the engineering properties of soils and how they relate to design and construction, including soil identification and classification. This course must be taken during the same semester as CIEG 434b, Soil Lab. Exceptions must be approved by Instructor prior to course registration.

Credits: 3

Prerequisites:

CIEG 301, CIEG 311; Corequisite: CIEG 438

CIEG 435: Reinforced Concrete

Theory and design of reinforced concrete structural members and entire structural systems according to the ACI Building Code Requirements. The students will apply fundamentals and basic design procedures to reinforced concrete members (beams, slabs, columns and footings).

Credits: 3

Prerequisites:

CIEG 314.

CIEG 438: Soil Mechanics Lab

This laboratory course accompanies the Soil Mechanics lecture. Example tests are permeability, shear strength, and consolidation.

Credits: 1

Prerequisites:

Corequisite: CIEG 434 or instructor approval.

CIEG 439: Senior Design I

This course is concerned with the planning, management, teaming and project development phase for the culminating design to be covered in CIEG 44.

Credits: 3

Prerequisites:

CIEG 314; CIEG 328; CIEG 350; CIEG 352; CIEG 416; CIEG 434.

CIEG 440: Water and Wastewater Treatment

Advanced design of facilities for water and wastewater treatment including design ranges, regulations, economics and ethics of environmental design.

Credits: 3

Prerequisites:

CIEG 328.

CIEG 441: Senior Design II

The capstone design project integrates the many sub-disciplines of civil engineering into a single project. Beginning with a specification, the process passes through preliminary and detailed design culminating in a written report and verbal presentation.

Credits: 3

Prerequisites:

CIEG 439.

CIEG 442: Advanced Foundations

Case histories are presented to illustrate typical design and construction problems. Further coverage includes deep foundations and soil exploration and improvement techniques. Focus is placed on behavior, which departs from traditional foundation design expectations.

Credits: 3

Prerequisites:

CIEG 433.

CIEG 445: Undergraduate Research

Requires a student to conduct research under the directives of an instructor. Students must seek and receive the approval of the instructor prior to enrollment in this course. The selected research topic must broaden the student's understanding of one of the five emphasis areas.

Credits: 3

Prerequisites:

CIEG 351; Approval of Instructor.

CIEG 457: Advanced Hydrology

Students model the hydrologic cycle and hydrologic processes to learn about and apply hydraulic models such as those hosted by the WMS (Watershed Modeling System) software, including the US Army Corps HEC-1 model and the SCS TR-20 and TR-55 models. GIS software ArcView and one of its extensions WMSHydro.avx are also used to prepare data for use in WMS models.

Credits: 3

CIEG 462: Seminar

Forum for presentation of current topics of interest in civil engineering by individuals from industry, government and practice. Co-req.: CIEG 441.

Credits: 1

CIEG 463: Water Resources Planning

Presents basic concepts in the planning of water resources development systems; analytical techniques, basic information required for planning; and examples for planning flood control, wastewater management, and water supply systems.

Credits: 3

Prerequisites:

Senior status.

CIEG 464: Engineering Project Management

Involves planning performing and controlling of engineering projects; introduces management roles, principles and procedures, as well as project proposal writing.

Credits: 3

Prerequisites:

CIEG 350 or equivalent. {Note: CIEG 350 Engineering Systems Analysis is now Engineering Economics.}

CIEG 465: Traffic Engineering 1

Involves the collection and use of traffic engineering data and introduces students to traffic operations and safety. Students use software for capacity analysis and signal optimization. Students are required to prepare reports.

Credits: 3

Prerequisites:

CIEG 351; 416

CIEG 466: Traffic Engineering II

Involves the introduction to traffic impact analysis, and use of traffic simulation models for evaluating traffic operation on highway networks, including traffic impact studies and signal warrant analyses.

Credits: 3

Prerequisites:

CIEG 465.

Computer Science

CSCI 136: Computer Science II

Course exposes students to the software development life cycle with a focus on the concepts and use of the object-oriented paradigm in problem analysis, solution design, software development and implementation. This course is designed to enhance the student's ability to engineer software that is efficient, maintainable and cost efficient over its entire life cycle. Data abstraction is discussed in depth and students gain experience in the use of classes, object and member functions. Students gain an understanding of the development of reusable abstract data types. Software reuse is emphasized and object-oriented concepts are used throughout the course. O-notation and the complexity of algorithms are discussed at relevant points in the course

Credits: 3

Prerequisites:

CSCI 135 (with a grade of 'C' or better).

CSCI 201: Computer Organization I

This course will cover the fundamentals required to understand the relationship between computer hardware and software. Topics include data representation on computers, computer arithmetic, Boolean algebra and digital logic, and assembly programming in MIPS

Credits: 3

Prerequisites:

CSCI 135.

CSCI 202: Computer Organization II

This course will present the relationship between computer hardware and software, and the fundamental knowledge essential for understanding and designing the operations of computer systems. Topics include performance evaluation, non-pipelined and pipelined datapath, memory hierarchies, and I/O devices

Credits: 3

Prerequisites:

CSCI 201

CSCI 203: Object-Oriented Programming Using Java

This course provides an introduction to Java programming and object-oriented programming concepts for students with previous programming experience in C/C++. The course provides a comprehensive overview of basic programming concepts in the Java programming language using an object-oriented approach.

Credits: 1

Prerequisites:

CSCI 135

CSCI 211: Unix Lab

This course will present the basic concepts of LINUX and UNIX operating systems. Topics that will be examined include Vi editor, Linux Command, directories, Disks and File systems, Users and Groups, File Permissions, Processes, file compression, basic network use, manage files, create and modify files, and Shell script.

Credits: 1

CSCI 263: Web Makers

Interested in learning web development but not sure where to start? Come join web makers and you will have your first web server up in one class! In this class, students will start with the basics and work up to a deep dive into making for the web. Students will be learning HTML, CSS and Javascript. This class will be about creation and students will become the maker. While no previous knowledge of web development is required, makers will be expected to have a working knowledge of programming concepts. Makers must be motivated to explore the syntactic nuances of these languages independently.

Credits: 3

Prerequisites:

CSCI 100 or some programming experience.

CSCI 341: Theory of Computation

Introduction to the classical theory of computer science. A study of the formal relationships between machines, languages and grammars; we will cover regular, context-free, context-sensitive, recursive and recursive enumerable languages. Sequential machines and their applications to devices, processes, and programming. Models of computation: finite state automata, push down automata, Turing machines. The role of non-determinism

Credits: 1

Prerequisites:

CSCI 136 and Discrete Structures.

CSCI 350: Structure of Programming Languages

The course will teach students the basic components of the design and analysis of computer programming languages as well as the fundamental computation theory that is required to understand those concepts. The course will also cover several non-imperative languages (unlike C, such as LISP and Prolog) to expose students to the diversity of programming languages.

Credits: 3

Prerequisites:

CSCI 201, CSCI 341

CSCI 354: Computer Science III

The course continues the study of data structures and algorithms, focusing on algorithmic design and problem analysis and the relationships between data representation, algorithm design, and program efficiency. Topics include advanced data structures, key algorithm design techniques, analysis of the time and space requirements of algorithms, and the subsequent development of solution of systems. Concrete examples will be drawn from a variety of domains, such as algorithms for trees and graphs, indexing and search, and real-world problems.

Credits: 3

Prerequisites:

CSCI 136 (with a 'C' or better)

CSCI 363: Large Scale Programming

This course will introduce the students to applications and systems in the large scale. Students will be introduced to the object-oriented method to software design using UML and will apply the object-oriented design/analysis techniques of UML to a realistic Java application. Students will gain familiarity with managing larger projects and OOA/D.

Credits: 3

Prerequisites:

CSCI 136

CSCI 364: Web Services

Presents topics in distributed computing with particular emphasis on Web Services using Microsoft .NET Framework. Also discussion on layered protocols, the client-server model, remote procedure call. Students program extensively in C# and Visual Basic .NET.

Credits: 3

Prerequisites:

Co-requisites: 306-401 Operating Systems

CSCI 365: Cloud Computing

Cloud Computing provides the modern on-demand services for management and usage of large and shared computing resources including storage, computations, and communications. This course will cover in-depth knowledge for Cloud Computing and the practical experience in designing and implementing large-scale and composite business web applications on Cloud Computing platform.

Credits: 2

CSCI 375: Software Engineering

This course will introduce students to the basic concepts of software engineering and the software development life cycle. The course will cover methodological techniques for software specification, design, implementation, testing, verification, and documentation. The course will also present the use of state-of-the-art tools for computer-aided software engineering (CASE).

Credits: 3

Prerequisites:

CSCI 354

CSCI 376: Operations Research

Methodology for planning, analyzing and evaluating optimal systems: identifying and structuring objectives and defining performance requirements that influence the design of the system. Synthesizing and analyzing alternative solutions and applying optimization techniques for the optimum queuing system. Applications to real world systems with open and closed queues with emphasis on computer systems using microcomputer software packages.

Credits: 3

Prerequisites:

CSCI 375

CSCI 379: Introduction to Human Computer Interaction

Students will learn the fundamental concepts of human-computer interaction and user-centered design thinking, through working in teams on an interaction design project, supported by lectures, readings, and discussions. They will learn to evaluate and design usable and appropriate software based on psychological, social, and technical analysis. They will become familiar with the variety of design and evaluation methods used in interaction design, and will get experience with these methods in their project.

Credits: 3

Prerequisites:

CSCI 354

CSCI 383: Introduction to Affective Biometrics

Affective computing represents a broad, interdisciplinary research and practice area focusing on a range of topics, including: computational models of emotion, cognitive-affective architectures, affective user modeling; emotion sensing and recognition; emotion expression; and the use of emotions to improve human-computer interaction across a range of contexts including health informatics and immersive environments. This course will provide an introduction to affective computing and human-computer interaction through a combination of lectures, student presentations of selected literature, projects and class discussions. The course content and format will be appropriate for computer science, cognitive science, psychology, human factors, and industrial engineering students (advanced undergraduate/graduate). Students in this course will design an experimental study to examine how emotional states like stress, anxiety, frustration, anger, and/or depression can be measured through the use of mobile applications. At the end of the course, students will be paired with a student from the Architecture Department class called Immersive Environments to perform a study on how to design immersive environments to reduce stress, anxiety, frustration, anger, and/or depression.

Credits: 3

CSCI 390: Ethical & Social Impact of Computing

This course will present the foundations of ethics in the context of computing. The broader social impact of computing and technology in general will also be reviewed. Areas of specific focus will include technology and human values, costs and benefits of technology, the character of technological change, and the social context of work in computer science and information technology.

Credits: 3

CSCI 400: Computer & Network Forensics I

Computer and Network Forensics I is the first course in the two semester series on computer and network forensics, and focuses on computer system forensics (while the second course on network forensics). It consists of three major components: assembly level reverse engineering (to understand the logic of a program given only machine code), file system forensics (to find traces of past activities on data stored in nonvolatile storage) and memory forensics (to find traces of past stalactites on data stored in volatile storage). It will also briefly discuss the law aspect of digital forensics. In order to understand the materials, students are expected to have the following prerequisites: good programming skills in both high level (preferably C/C++) and assembly level, operating systems and basic familiarity with Linux and Windows.

Credits: 3

CSCI 401: Operating Systems

This course will present the basic concepts of operating systems. Topics that will be examined include processes and interprocess communication/synchronization, virtual memory, program loading and linking system calls and system programs; interrupt handling, device and memory management, process scheduling, deadlock and the trade-offs in the design of large-scale multitasking operating systems.

Credits: 3

Prerequisites:

CSCI 202; CSCI 363

CSCI 402: Mobile Application Development

This course will introduce students to developing applications which target mobile devices. Students will be introduced to many issues unique to mobile applications, including synchronization, remote data access, security and sometimes-connected networks. They will research topics in these areas and develop a significant project which demonstrates their knowledge and understanding of these issues.

Credits: 3

Prerequisites:

CSCI 354

CSCI 403: Introduction to Big Data Analysis

The primary goal of big data analytics is to analyze large volume of data. The analysis of big data requires the organization, storage, and processing of data at a scalable and efficient way which goes beyond the capabilities of traditional information technologies. In this course, we will cover modern massive data analysis technologies including different platforms, models, and languages, we will also look at real world applications and how they can be implemented on big data platforms. Topics in this course include: Map reduce/Hadoop, NoSQL stores, languages such as Pig Latin and JAQL, large-scale data mining and visualization. It will include programming projects that will provide students with hands-on experience on building data-intensive applications using existing big data tools and platforms.

Credits: 3

CSCI 410: Modeling & Simulation

Introduces the fundamentals of system design and modeling. Emphasizes advantages and limitations of various modeling techniques for different applications. Introduces probability distributions typical of queuing models and presents in-depth discussions and experiments with existing simulation packages.

Credits: 3

CSCI 421: Computer & Video Game Dev

The course will span the software domains embedded in computer and video games. Topics such as game computational infrastructure, design, engines, and motion will be presented through discussion and assignments. Game industry guest speakers will discuss software challenges and opportunities. Students completing this course will understand the software development process required to create a successful game and possess the programming expertise to create a simple game.

Credits: 3

Prerequisites:

CSCI 354, CSCI 375

CSCI 422: Game Engine Programming

Game engine programming is introduced as a critical element in compelling game creation. Programming activity will feature input capture, world integration, object motion, collision detection and audio scoring. Game performance metrics, code optimization and quality assurance testing procedures will be emphasized. Code examples will be presented from XNA game studio and Torque. Course game project may be completed using a 2D or 3D game engine of choice including Torque, Gamestudio, Panda3D, or OGRE 3D rendering engine.

Credits: 3

Prerequisites:

CSCI 421

CSCI 430: Computer & Network Forensics II

This class will discuss advanced computer forensics topics and network forensics. knowledge points include virtual machine forensics, mobile device forensics, cloud forensics, email and social media investigation, network traffic capture and analysis, network application log analysis

Credits: 3

Prerequisites:

CSCI 450; CSCI 211

CSCI 432: Database Systems

This course will present the basic concepts of database systems. Topics that will be covered include basic relational database theory, relational database modeling, relational database design and implementation, normalization, transaction management, the SQL language and other languages and facilities provided by database management systems

Credits: 3

Prerequisites:

CSCI 354

CSCI 433: Introduction to Database Security

An overview of both the theory of and applications for providing effective security in database management systems. Topics include conceptual frameworks for discretionary and mandatory access control, data integrity, availability and performance, secure database design, data aggregation, data inference, secure concurrency control, and secure transactions processing. Models for multilevel secure databases for both relational and object-relational databases are analyzed. Assignments focus on database security concepts.

Credits: 3

CSCI 440: Object-Oriented Programming

Introduces the fundamentals of object-oriented information system development with a focus on analysis and design phases. Data modeling and design principles such as data abstraction, information hiding, modularity, and coupling are viewed in the context of object-oriented paradigm. For object-oriented modeling Unified Modeling Language (UML) is introduced and used extensively throughout the course. Issues relating to making the transition from other software development methodologies are examined and risks involved in object-oriented process are discussed.

Credits: 3

Prerequisites:

CSCI 354

CSCI 450: Data Comm & Network Prog

This is an introductory course on computer networking. It will cover the layering model of the Internet. The upper four layers (application, transport, network and data link) will be discussed in details with dominant networking protocols and algorithms introduced. Students will also learn how to do basic programming on the Internet.

Credits: 3

Prerequisites:

CSCI 354, CSCI 201, CSCI 470, Discrete Structures

CSCI 451: Applied Wireless Networking

This course covers applied wireless networking principles from a historical, current, and future perspective. Topics that will be examined include wireless cellular networks 1G, 2G, 2.5G, 3G, 4G (LTE), and future 5G networks, IEEE wireless specifications 802.11 wireless LANs (Wi-Fi), 802.15 (WPAN, Bluetooth, UWB, ZigBee, Mesh network), IEEE 802.16 (WiMAX), IEEE 802.20 (Mobile broadband wireless access), IEEE 802.21 (Media Independent Handover), (IEEE 802.22) Wireless Regional Area Networks, addressing and routing to mobile users, mobility management, quality of service, wireless multiplexing techniques, and wireless security.

Credits: 3

CSCI 452: Network & Web Programming

This class will introduce (1) network programming, writing applications that communicate with each other via TCP/UDP sockets, and (2) Web programming, writing applications that are accessible through a Web Browser over the Hypertext Transport Protocol (HTTP). For web programming, both client side and server side programming will be covered. The LAMP stack (Linux, Apache, MySQL, and PHP) will be used for server side, Javascript and CSS will be covered for client side. HTML will be taught before studying programming. As prerequisites, programming skills are needed. Light database experience is preferred but not required

Credits: 3

CSCI 453: Intro to Cyber Security I

Computer Security Overview. Malware and Cyberwarfare. Passwords. Biometrics. Access Controls. Multilevel Security. Multilateral Security. Firewalls. Intrusion Detection . Cryptography Before 1970. Symmetric Key Cryptography. The Data Encryption Standard (DES). The Public Key Paradigm. Knapsacks. The RSA Approach to Public Key Cryptology. Elliptic Curve Cryptography. The Advanced Encryption Standard (Rijndael). Hash Functions. The Digital Signature Standard

Credits: 3

CSCI 454: Intro to Cyber Security II

Distributed Denial of Service (DDoS). Hash Functions. SHA-3 and Keccak. Network Security. Network attack and defense. Steganography . Software security I. Software flaws. Malware. Miscellaneous software-based attacks. Software security II. Software reverse engineering. Software tamper resistance. Digital rights management. Software development. Stuxnet and Cyberwarfare. Advanced encryption techniques. Elliptic Curves and Elliptic Curve Cryptography. Electronic voting. Quantum cryptography.

Credits: 3

Prerequisites:

CSCI 453

CSCI 460: Advanced Systems Administration

Advanced system administration course provides a strong practical experience to Linux and Solaris operating systems. The course includes topics such as Samba (Windows file and print sharing), Email, Web serving with Apache, remote access, networking setup, Internet proxy services, fire wall and security administration, deploy LDAP in a Linux, Solaris and windows environment and also compile, configure and patch a Kernel module.

Credits: 3

Prerequisites:

CSCI 211

CSCI 470: Fundamentals of Algorithms

Techniques for designing efficient algorithms, analyzing their complexity and applying these algorithms to a broad range of application settings. Methods for recognizing and dealing with hard problems are studied.

Credits: 3

Prerequisites:

CSCI 354

CSCI 472: Systems Management Analysis

This course presents methodology for large-scale system design and analysis using modern semantic analysis techniques. Identification and definition of large-scale (community/industrial-based) problems. Discusses how to select and quantify measures of the severity of the problem. Presents different techniques for modeling alternative solutions to problems.

Credits: 3

Prerequisites:

CSCI 375

CSCI 474: Computational Biology

Introduces computational methods for understanding biological systems at the molecular level. Problem areas such as mapping and sequencing, sequence analysis, structure prediction, phylogenetic inference, regulatory analysis. Techniques such as dynamic programming, Markov models, expectation-maximization, local search.

Credits: 3

Prerequisites:

CSCI 470; MATH 189

CSCI 475: Intro to Machine Learning

Techniques for learning from data and applying these algorithms to application settings. Topics covered include Bayesian methods, linear classifiers such as the perceptron, regression, and non-parametric methods such as k-nearest neighbors.

Credits: 3

Prerequisites:

CSCI 354; MATH 189

CSCI 476: Introduction to Artificial Intelligence

This course will introduce students to contemporary topics in artificial intelligence. Topics that will be examined include basic AI concepts, representations, and techniques used in building practical computational systems (agents) that appear to display artificial intelligence, through the use of adaptive information processing algorithms. During the semester students will learn general knowledge representation techniques and problem solving strategies. Topics will include search, intelligent agents, game playing and rule-based systems.

Credits: 3

Prerequisites:

CSCI 350

CSCI 478: Engineering Economic System Design

Presents methodology for system design. Methodology begins with identification and definition of private sector problems to which solutions are justified by economics. Discusses selection of appropriate economic measures for comparing alternative solutions such as present worth, equivalent annual cost, cost/benefit ratio, life cycle cost, return on investment pay back period. Presents different techniques for modeling alternative solutions to the problems and predicting cost. Other topics discussed include decision-making, system implementation, operations and retirement

Credits: 3

Prerequisites:

CSCI 376

CSCI 480: Digital Media & Multimedia Applications

This course provides an introduction to digital media fundamentals including audio, video formats, storage and delivery. Windows Media and other technology will be extensively utilized as a method for digital content manipulation, rights management and internet transfer. Students will be exposed to basic internet architecture, operations and useful world wide web (WWW) resources. In addition, a practical understanding of digital computational devices, communication ports and connection cables will be acquired.

Credits: 3

Prerequisites:

Junior Standing.

CSCI 491: Senior Project I

Allows the senior student the opportunity to demonstrate his or her knowledge of systems engineering and computer science principles by application to a class project of his or her choosing, with the guidance and supervision of a faculty member. The student develops a proposal for the project, followed by an architectural design and detailed design, all of which must be presented in class

Credits: 2

Prerequisites:

CSCI 202

CSCI 492: Senior Project II

In part two, the senior student develops and implements the system solution to the proposed project. The system, most commonly comprising computer software, hardware, procedures, etc., is implemented and tested in the department's Systems Development Laboratory. The student is required to demonstrate the system solution to the faculty and the student body of the department.

Credits: 3

Prerequisites:

CSCI 491

CSCI 493: The Lean LaunchPad: Technology Entrepreneurship & Lean Startups

This course provides real world, hands-on learning on what it's like to actually start a high-tech company. This class is not about how to write a business plan. It's not an exercise on how smart you are in a classroom, or how well you use the research library to size markets. And the end result is not a Power Point slide deck for a VC presentation. And it is most definitely not an incubator where you come to build the—hot-idea that you have in mind. This is a practical class—essentially a lab, not a theory or—book class. Our goal, within the constraints of a class room and a limited amount of time, is to create an entrepreneurial experience for you with all of the pressures and demands of the real world in an early stage startup. You will be getting your hands dirty talking to customers, partners, competitors, as you encounter the chaos and uncertainty of how a startup actually works. You'll work in teams learning how to turn a great idea into a great company. You'll learn how to use a business model to brainstorm each part of a company and customer development to get out of the classroom to see whether any one other than you would want/use your product. Finally, based on the customer and market feedback gathered, you would use agile development to rapidly iterate your product to build something customers would actually use and buy. Every day will be a new adventure outside the classroom as you test each part of your business model and then share the hard earned knowledge with the rest of the class

Credits: 3

CSCI 498: Special Topics: Robotic Programming

The primary focus of this course will be behavior-based robotics, which uses semi-autonomous artificial intelligence modules for planning. Behavior-based robots use sensor information to react to changes in an environment, instead of complicated internal models. Higher level concepts that will be covered include multi-robot communication, robot localization and path planning.

Credits: 3

Prerequisites:

Junior Standing, MEEG, ECEG, CSCI major

Computer Science

Department of Computer Science

COURSE DESCRIPTIONS

CSCI 100: Intro to Computer Science

This course introduces the fundamentals of systems and computer science. A brief examination of critical, creative, systems and scientific thinking, is followed by more details on computational thinking. The focus is hands on computing exercises and group exercises that stress the importance of algorithms and problem solving. Students are exposed to the research agenda of the department, the different track options and career opportunities along the different tracks.

Credits: 3

CSCI 135: Computer Science I

This course provides an introduction to the discipline of computer programming. Closed laboratory to reinforce lecture topics and introduce new topics. Course is designed to expose students to basic programming concepts and to the use of the C++ language. This course is designed to enhance the student's ability to design, develop and test/debug programs. Each student will increase his or her skill in writing correct and maintainable programs. Emphasis will be placed on problem analysis and on the subsequent development of algorithms. Several standard data types will be discussed and the student will gain an understanding of the issues relating to the use, design and implementation of each type in C++. A major focus of the lectures will be to provide an overview of real-world problem solving concepts and top-down software design. Prereq: Intro. to Computer Science.

Credits: 4

CSCI 165: Scientific Computing for Eng

Introduces programming and use of digital computers through symbolic programming. Programming includes general problem-solving and the systematic development of algorithms; use includes the coding of programs and practical experience in Maxima or Matlab.

Credits: 3

Electrical Engineering

EECE

COURSE DESCRIPTIONS

EECE 102: Introduction to Electrical & Computer Engineering

Continuation of EGPP 101 as related to the electrical and computer engineering profession. Organized in to five Blocks: Descriptive, Environment, Technical, Practical (Hands on), and Projects, students are introduced to various engineering issues related to the profession of electrical and computer engineering. Historical perspectives and Electrical Engineering Education/Profession and Design are reviewed. Ethics, social/environmental/cultural/religious issues facing electrical engineers in a global work environment are discussed. An overview of electrical engineering discipline and five major classifications of electrical systems in communication, computer, control, power, and signal processing are presented. Technical aspects and safety considerations of a typical electrical engineering laboratory are introduced. A capstone term project requires assembling an electrical system (e.g., a robot kit) and its study and presentation from a systems point of view.

Credits: 1

Prerequisites:

EGPP-101. Course Offering: Spring Semester

EECE 156: Math I Lab

The purpose of this course is to develop students' problem solving skills, and improve their understanding of the calculus techniques and concepts they learn in Math 156 (Calculus I). Topics include: Algebra Review, Limits, Continuity, Derivative: definition, rules: sum, quotient, product, power, chain, Implicit Differentiation, Applications of the Derivative: related rates, max/min problems, L'Hospital's Rule, Anti-derivative, Integration.

Credits: 1

Prerequisites:

Corequisite MATH 156. Offered Fall and Spring Semesters

EECE 157: Math Lab II

The purpose of this course is to further develop students' problem solving skills, improve their understanding of the calculus techniques and concepts they learn in Math 157 (Calculus II), and help them see how calculus can be used to solve engineering problems. Topics include: integration techniques, applications of integration, polar functions and parametric functions, sequences and series.

Credits: 1

Prerequisites:

MATH 156, MATH 157. Offered Fall and Spring Semesters.

EECE 158: Math Lab III

The purpose of this course is to further develop students' problem solving skills, improve their understanding of the calculus techniques and concepts they learn in Math 158 (Calculus III), and help them see how calculus can be used to solve engineering problems. Topics include: Vectors and scalars, Dot and Cross Product, Vector Differentiation, Gradient, Divergence, and Curl, Vector Integration, Divergence Theorem, and Stokes' Theorem.

Credits: 1

Prerequisites:

MATH 157; Corequisite MATH 158. Course offered Fall and Spring semesters.

EECE 160: Engineering Mathematics

Course introduction; history and importance of engineering Mathematics, trigonometry in engineering, 2-D vectors in engineering, complex numbers in engineering, 3-D vectors in engineering, systems of equations in engineering, application of derivatives in engineering, application of integrals in engineering, solving differential equation, applications of differential equations in engineering, Laplace transforms and applications, Interdisciplinary Applications.

Credits: 3

Prerequisites:

MATH 157. Offered Spring Semester.

EECE 200: Introduction to Computer Engineering

Introduction to key concepts in computer organization. Discussion of number representations, switching circuits, logic design, microprocessor design, assembly language programming, input/output, interrupts and traps, direct memory access, structured program development.

Credits: 3

Prerequisites:

ENGL 022 , MATH 156, PHYS 013. Co-requisite: EECE 206. Course Offering: Fall Semester

EECE 202: Network Analysis I

Includes Ohm's and Kirchoff's Laws: V-I laws for RLC elements, circuit analysis tools, Thevenin and Norton's theorems, Response of RC, LC and RLC circuits, operational amplifiers, and introduction to PSPICE.

Credits: 3

Prerequisites:

MATH 157, and PHYS 014. Co-requisite: MATH 159 and EECE 208. Course Offering: Spring Semester

EECE 203: Fundamentals of Circuit Theory

Understanding of basic circuit theory, circuit theorems, dc, ac circuits, magnetic circuits, transients, Laplace and Fourier transforms, Fourier series, electric devices, 2-port network, basic filters and op-amps.

Credits: 4

Prerequisites:

PHYS 014; PHYS 024. Corequisite EECE 209. Offered Spring Semester.

EECE 206: Introduction to Computer Engineering Laboratory

Laboratory with experiments designed to provide an overview of computer engineering: Covers fundamental concepts, digital circuits, and assembly language programming.

Credits: 2

Prerequisites:

ENGL- 022, MATH 156 and PHYS 013. Co-requisite: EECE 200. Course Offering: Fall Semester

EECE 208: Introduction to Electrical Laboratory

Hands-on experience in using electronic lab instrumentation. Lab experiments illustrate Ohm's and Kirchhoff's laws, Thevenin and Norton's theorems for resistive circuits. Transient and frequency response of RC circuits. Diodes, operational amplifiers, transistors, basic digital logic gates. Every lab session includes hardware measurement and PSPICE simulation.

Credits: 1

Prerequisites:

MATH 157, and PHYS 014. Co-requisite: EECE 202. Course Offering: Fall and Spring Semesters (mainly for non-EE and non-CE majors)

EECE 209: Fundamentals of Circuit Theory Lab

Understanding of hands-on labs associated basic circuit theory, circuit theorems, dc, ac circuits, operational amplifiers (op-amps), electric devices network, basic filters and op-amps.

Credits: 1

Prerequisites:

PHYS 014, PHYS 024. Co-requisite EECE 203. Offered Spring Semester

EECE 211 [Old 311]: Digital Systems Design,

Introduction to hardware building blocks used in digital computers and systems. Introduces number systems (including binary, octal and hexadecimal), Boolean algebra, two-level/multilevel logic minimization/simplification using K-Maps and Quine-McCluskey methods, combinational logic circuit design and implementation with available SSI, MSI, and programmable logic devices (PAL, PLA, multiplexers, encoders, ROMS). Practical considerations such as hazard and glitches are treated. Basics of sequential logic design including latches, flip-flops, registers, counters, finite state machines design, minimization, and implementation are presented.

Credits: 3

Prerequisites:

Sophomore Standing for EE Students.

EECE 212: Fundamentals of Digital Systems

Introduction to hardware building blocks used in digital computers and systems. Introduces number systems (including binary, octal and hexadecimal), Boolean algebra, two-level/multilevel logic minimization/simplification using K-Maps and Quine-McCluskey methods, combinational logic circuit design and implementation with available SSI, MSI, and programmable logic devices (PAL, PLA, multiplexers, encoders, ROMS). Practical considerations such as hazard and glitches are treated. Basics of sequential logic design including latches, flip-flops, registers, counters, finite state machines design, minimization, and implementation are presented.

Credits: 3

Prerequisites:

Sophomore Standing. Co-requisite: EECE 217. Offered Spring Semester

EECE 218: Fundamentals of Digital Systems Design Laboratory

Laboratory experiments and (mini) projects in design and implementation of simple to moderately complex combinational and sequential logic circuits provide a practical understanding of concepts covered in EECE 211. Project(s) introduce students to design with programmable logic devices and logic design/simulation software such as Electronics Workbench.

Credits: 1

Prerequisites:

Sophomore Standing. Co-requisite: EECE 217. Offered Spring Semester

EECE 260: Engineering Programming & Application

Use basic applications in engineering to bring up the major concepts, methods and techniques needed to perform successful computation. The course includes complexity, testing and debugging, binary search, divide and conquer, dynamic programming, application to statistics and Monte Carlo simulations.

Credits: 3

Prerequisites:

CSCI 135. Offered Spring Semester

EECE 301: Network Analysis II,

Deals with transient response of RLC circuits, phase transformations, polyphase circuits, complex power, magnetically coupled circuits, sinusoidal steady-state power calculations, Laplace transformations, inverse Laplace transformations, frequency response, transfer functions, s-domain circuit analysis, frequency selective circuits.

Credits: 3

Prerequisites:

EECE 202. Course Offering: Fall Semester

EECE 304: Electromagnetic Theory and Applications

Electric fields, flux and potential; Coulomb's Poisson's and Gauss's laws; permittivity and conductivity, magnetostatics, magnetic materials, magnetic materials and forces, Biot-Savart law and time varying fields, Maxwell's equations in integral and differential forms, time-domain analysis of waves. Application of electromagnetic theory to transmission lines.

Credits: 3

Prerequisites:

MATH 158, PHYS 014. Course Offering: Fall Semester

EECE 305: Fundamental: Electromagnetics

Electric fields, flux and potential; Coulomb's Poisson's and Gauss's laws; permittivity and conductivity, magnetostatics, magnetic materials, magnetic materials and forces, Biot-Savart law and time varying fields, Maxwell's equations in integral and differential forms, time-domain analysis of waves. Application of electromagnetic theory to transmission lines.

Credits: 3

Prerequisites:

MATH 158, PHYS 014. Offered Fall Semester.

EECE 306: Fundamental: Electromagnetics Lab

To provide ECE majors with a firm basis for an understanding of the electrical circuits, the radiation, propagation, and transmission of electric power, as well as the electromagnetic storage systems.

Credits: 1

Prerequisites:

Co-requisite: EECE 305. Offered Fall Semester.

EECE 307: Electronics I

Theoretical analysis of the electronics components: diodes, BJT, JFET, MOSFET, OP-AMPS, and detailed analysis of their use in electronic circuits. DC bias, AC analysis and design of regulated DC power supplies, single stage amplifiers and active filters are the sample real world electronic circuits used throughout the course to illustrate the theoretical material presented. One individual design project is required. Homework requires theoretical derivations and PSPICE simulation.

Credits: 3

Prerequisites:

EECE 202. Co-requisite: EECE 313. Course Offering: Fall Semester

EECE 308: Electronics II

Theoretical analysis and design of differential and multi-stage amplifiers, feedback, power amplifiers, frequency response, Nyquist and Bode plots, active filters and tuned amplifiers, signal generators. The covered sample electronic circuits combine diodes, BJT, JFET, MOSFET and OP-AMPS. One individual design project is required. Homework requires theoretical derivations and PSPICE simulation.

Credits: 3

Prerequisites:

EECE 307. Co-requisite: EECE 314. Course Offering: Spring Semester

EECE 309: Fundamentals of Electronics & SS Devices

Understanding of basic semiconductor devices, characteristics, switching and basic amplifiers, operational amplifiers, frequency response, filters, wave generation, introduction to power electronics, team work.

Credits: 3

Prerequisites:

EECE 203. Co-requisite EECE 312. Course offered Fall Semester.

EECE 310: Principles of Electronics

This course is open to non-EE and non-CpE students only. The course covers theoretical and practical fundamental principles of electronic devices, circuits and instruments.

Credits: 2

Prerequisites:

MATH 159, PHYS 014. Course Offering: Fall and Spring Semesters

EECE 312: Fund: Elec & SS Devices Lab

Understanding of basic semiconductor devices, characteristics, switching and basic amplifiers, operational amplifiers, frequency response, filters, wave generation, introduction to power electronics, team work.

Credits: 1

Prerequisites:

EECE 209. Co-requisite EECE 309. Offered Fall Semester

EECE 313: Electronics I Laboratory

Hands-on experience in analyzing regulated half/full wave rectifier circuits, BJT, JFET, MOSFET and OP-AMP based single-stage amplifiers. One individual design project with oral presentations is required. Lab sessions involve simultaneous hardware measurement and PSPICE simulation.

Credits: 2

Prerequisites:

Same as EECE 307. Co-requisite: EECE 307. Course Offering: Fall Semester

EECE 314: Electronics II Laboratory

Hands-on experiences in analyzing multi-stage and power amplifiers, active filters, frequency response. Laboratory experiments cover real world electronic circuits. All the circuits used involve combinations of BJT, JFET, MOSFET and OP-AMP. One individual design project with oral presentations is required. Lab sessions involve simultaneous hardware measurement and PSpice simulation.

Credits: 1

Prerequisites:

Same as EECE 308. Co-requisite: EECE 308. Course Offering: Fall Semester

EECE 318: Energy Conversion

Review of polyphase circuits, electro-mechanical systems, magnetic circuits, transformers, D.C. and A.C. machines, transmission line theory, and introduction to power electronics, ac, dc drives, computer-aided design.

Credits: 3

Prerequisites:

EECE 301. Co-requisite: EECE 324. Course Offering: Fall Semester

EECE 320: Research in Undergraduate Experience

Research in Undergraduate Experience makes undergraduate students familiar with basics of research. Students practice research on a specific subject under supervision of a faculty member. Students perform literature review on their selected subject and discuss about it to the class. Through this effort, students become exposed to various subjects and understand the importance of and the need for research. The course teaches students how to present their work to others. It also emphasizes on long life learning. Further, students become familiar with LaTeX as a high-quality typesetting system used for the communication and publication of scientific documents.

Credits: 1

Prerequisites:

Junior Standing. Offered Spring Semester.

EECE 324: Energy Conversion Laboratory,

Treats poly-phase power measurements, power transformer testing, connections, and operation and testing of dc motors and generators, and synchronous machines, transmission lines, and induction motors, basic electronic control of machines.

Credits: 2

Prerequisites:

Same as EECE 318. Co-requisite: EECE 318. Course Offering: Fall Semester

EECE 325: Fundamentals of Energy Systems

This course focuses on the fundamentals of energy systems centered around electric power generation. Starting with the traditional system of large, central power stations connected to their customers by hundreds or thousands of miles of transmission lines, this course covers distributed, renewable, cleaner, smaller generation systems located closer to their loads. In that regard, while other generation sources such as Biomass and Fuel Cells are covered, wind power generation systems and photovoltaic (PV) power generation systems are highlighted in the course.

Credits: 3

Prerequisites:

EECE 203, Co-requisite EECE 326. Offered Fall Semester.

EECE 326: Fundamentals of Energy Systems Lab

This course focuses on the laboratory experiments of fundamentals of energy systems dealing with poly-phase power measurements, synchronous machines, transmission line, renewable electricity systems of induction motor/generator. Also emphasized is renewable energy system modeling tools and system development using the modeling tools.

Credits: 1

Prerequisites:

Co-requisite: EECE 325. Offered Fall Semester

EECE 331: Probability & Random Variables for Engineers

Examines fundamentals of discrete and continuous probability: conditional probability, independence, random variables, density and distribution functions, expected value and variance, common discrete and continuous distributions, joint distributions, and introduction to simple stochastic processes. Applications to electrical and computer engineering; reliability of series and parallel circuits, models for waiting time phenomena.

Credits: 3

Prerequisites:

EECE 202. Course Offering: Fall Semester

EECE 333: Fundamentals of Signals and Systems

Design-based course introduces comprehensive treatment of basic signal theory in time and frequency domains. Discrete and continuous time cases are treated simultaneously, covers concepts of signals and systems, convolution of difference and differential systems, block diagrams, state-space realizations and solution, matrix theory, Fourier series, transform techniques (Fourier, FFT, Z and Laplace), frequency response and stability. Exercises include traditional homework problems, computer applications such as MATLAB, C and SIGSYS and hardware design (laboratory generation of various signals and application to systems response) and design projects (Demonstration is required).

Credits: 3

Prerequisites:

EECE 331. Course Offering: Spring Semester

EECE 350: Operating Systems for Engineers

Fuses the history and evolution of operating systems, concepts of process management, memory addressing and allocation, files and protection, deadlocks and distributed systems.

Credits: 3

Prerequisites:

SYCS 136. Course Offering: Fall Semester

EECE 401: Senior Design I

Fundamentals of design principles, and engineering applications, design methodologies with emphasis on synthesis and evaluation, design process, reliability, the impact of engineering economy, report writing, ethics and alternative solutions will be discussed. During this course, students must identify a topic and an advisor for their Thesis Design Project. The project must be approved by the advisor and the course instructor.

Credits: 3

Prerequisites:

Advanced Mathematics, EECE 307, EECE 211, EECE 332. Course Offering: Fall and Spring Semesters

EECE 404: Senior Design II,

Enhances knowledge of engineering design principles to solve real world problems, project planning, analysis, simulation and presentation, economic impact, ethics synthesis. Design areas are selected from solid-state electronics, digital systems, communications (signal processing), power/energy systems and controls, power electronics, antennas and microwave and others. Oral presentation (with poster session) as well as written report required. Most of the semester will be devoted to the design and implementation of the Senior Thesis Project selected by student and approved by his/her advisor at the conclusion of EECE 401.

Credits: 3

Prerequisites:

EECE 401. Course Offering: Fall and Spring Semesters

EECE 405: Energy Conversion II

Deals with advanced steady state and transient analysis of electronic machines stability and control, and static converters and inverters.

Credits: 3

Prerequisites:

ELEG 403.

EECE 406: Advanced Digital Systems Design

Presents design, analysis, optimization, and implementation of complex sequential digital systems and finite state machines (FSM). Hardware description languages (HDL), VHDL and/or Verilog, are introduced and will be used to design and implement digital systems. The structure of a computer and its organization will be reviewed. Finite state machine of a Simple CPU will be developed and various implementation alternatives (FSM, time state, jump counters, and microprogramming) of its controller will be studied.

Credits: 3

Prerequisites:

EECE 211. Co-requisite: EECE 412. Course Offering: Fall Semester

EECE 408: Linear Control Systems,

Deals with analysis of time and frequency response of closed loop systems, block diagrams, signal flow graphs, Mason gain, Routh-Hurwitz and Nyquist criteria for stability, root-locus method and system specifications, compensators, state variable methods, introduction to digital control.

Credits: 3

Prerequisites:

EECE 332. Co-requisite: EECE 414. Course Offering: Fall Semester

EECE 410: Introduction to Computer Networks

Presents basic concepts of data communication networking and computer communications architectures, including packet switching, local area networks, OSI (Open System Interconnection Architectures), TCP/IP, X.25/X.75, and SNA (System Network Architecture).

Credits: 3

Prerequisites:

EECE 322. Course Offering: Spring Semester

EECE 412: Advanced Digital Systems Design Laboratory

Laboratory projects will use a PC-based Computer-Aided Design Tool environment that supports hardware description languages (HDL) such as VHDL and Verilog for design, simulation, and synthesis of logic systems. Early lab exercises (mini projects) will use SSI/MSI chips; then HDL-based design tools and associated methodologies will be introduced to design, simulate, and synthesize complex digital systems for implementation with Programmable Logic Devices and Field Programmable Gate Arrays (FPGA). Teams of two or three students will select and undertake design projects.

Credits: 1

Prerequisites:

Co-requisite: EECE 406. Course Offering: Spring Semester

EECE 414: Linear Controls Lab

Presents hands-on, design and computational analysis of analog and digital filters, control, drives, compensator design, P, PI and PID controller's use of MATLAB tools.

Credits: 1

Prerequisites:

Same as EECE 408. Co-requisite: EECE 408. Course Offering: Fall Semester

EECE 416: Microcomputer Design

Examines microprocessors, support architectures, and hardware/software. Also presents microprocessors' software model and programming, assembly language programming, microprocessor applications, microprocessor-based systems, and microcomputers. Projects will be used to introduce microprocessor applications.

Credits: 3

Prerequisites:

EECE 212. Course Offering: Fall Semester

EECE 417: Computer Systems Architecture

Core concepts of computer architecture are introduced. Instruction set architectures (both CISC and RISC), Microprogramming, pipelining, memory systems and hierarchy, and I/O architectures are studied. Core concepts of parallel computer architectures are introduced and examples of parallel computers are presented.

Credits: 3

Prerequisites:

EECE 211. Course Offering: Spring Semester

EECE 418: Power Electronics

Presents characteristics of power electronics devices, converters, AC-DC, DC-DC, AC-AC, DC-AC, power supplies, cycloconverters, design projects, computer simulations.

Credits: 3

Prerequisites:

EECE 332, EECE 307. Course Offering: Spring Semester

EECE 419: Motor Dynamics and Drives

DC and AC drives, electric motors, microcomputer control, protective relaying, projects, computer simulations.

Credits: 3

Prerequisites:

EECE 318, EECE 418. Course Offering: Fall Semester

EECE 420: Introduction to VLSI Design

Introduces CMOS technology and theory; CMOS circuit and digital logic design; layout rules and techniques; circuit characterization and performance estimation; CMOS subsystem design; VLSI systems design methods; VLSI CAD tools; laboratory experience in custom VLSI chip design on workstations using concepts in cell hierarchy; final project involving specification, design and evaluation of a VLSI chip or VLSI CAD program. Written report and oral presentation of the final project are required.

Credits: 3

Prerequisites:

EECE 211, EECE 308. Course Offering: Fall Semester

EECE 421: Power Systems Analysis/Design

Covers one-line diagram per unit quantity, power generation and synchronous machines, transmission line theory, analysis of interconnected systems using load flow studies and computation techniques. Economic operation of power system. Design projects.

Credits: 3

Prerequisites:

EECE 318. Course Offering: Fall Semester

EECE 422: Power Communications & Control

Continuation of EECE 421. Introduction to telecommunication, fundamentals of communications, data representation and communication, power system and fault analysis, protection and controls, power system stability, communication protocol concepts and security and standards.

Credits: 3

Prerequisites:

EECE- 421. Course Offering: Spring Semester

EECE 443: Introduction to Microwaves

Introduces electromagnetic wave propagation, microwave transmission systems, tube and solid-state microwave devices, and waveguides, time-domain reflections, matching, Smith chart, S-parameters analysis, active and passive microwave components, and microwave measurement techniques.

Credits: 3

Prerequisites:

EECE 304. Course Offering: Spring Semester

EECE 444: Antenna Theory and Practice

Cover antenna parameters; polarization of electromagnetic waves; basic antenna types; antenna arrays; broadband antenna design; electrically small-wire-type apertures antenna design, measurements and simulation using Matlab or Mathcad.

Credits: 3

Prerequisites:

EECE 304. Course Offering: Spring Semester

EECE 453: Communications Theory

Includes probability theory, hypothesis testing, channel capacity, coding, detection and system performance analysis.

Credits: 3

Prerequisites:

EECE 331 or EECE 332. Offered Fall Semester.

EECE 454: Communication Electronics,

Covers spectrum and noise measurements, analog and digital communication techniques. Covers design of AM and ASK detectors, FM and FSK modulators and phase lock loops.

Credits: 3

EECE 456: Embedded Systems Design Lab

Project based course for design and system integration of embedded systems using microprocessor boards and I/O devices.

Credits: 3

Prerequisites:

EECE 416. Offered Spring semester.

EECE 459: Communications Theory Lab

Covers design of modulation and demodulation circuits and filters. Co-requisite: EECE 453. Course Offering: Fall Semester

Credits: 1

EECE 460: Wireless Communication

Presents the physical layer of wireless communication systems, implementation of speech coding, error control, modulation/demodulation and filtering schemes for wireless links using digital signal processors for base band functions.

Credits: 3

Prerequisites:

EECE 453, EECE 459. Course Offering: Spring Semester

EECE 461: Solid State Electronics I,

Discusses semiconductor properties, valence bands, energy bands, equilibrium distribution of electrons and non-equilibrium transport of charges, Breakdown mechanisms; essential features of small AC characteristics, switching and transient behavior of p-n junctions.

Credits: 3

Prerequisites:

EECE 307. Course Offering: Spring Semester

EECE 462: Solid State Electronics II

Presents semiconductor electronic properties and applications to electronic devices; tunnel and Zener diodes, point contact transistors, FETs, MOSFETS, BJTS, multi-junction devices, and small, medium and large-scale integrated circuits.

Credits: 3

Prerequisites:

EECE 461. Course Offering: Fall Semester

EECE 463: Digital Electronics

Covers bipolar and MOS field-effect transistor characterization; characteristics and applications of TTL integrated circuits, design of memories, digital processors, special computer architecture, interfaces and A/D and D/A converters.

Credits: 3

Prerequisites:

EECE 307. Course Offering: Spring Semester

EECE 465: Physical Electronics

Analysis of semiconductor device characteristics, junction breakdown, base-width modulation and capacitive effects. Covers model derivations from physical considerations.

Credits: 3

Prerequisites:

PHYS 015, EECE 307. Course Offering: Spring Semester

EECE 466: Advanced Electromagnetic Theory,

Covers propagation of electromagnetic waves in general waveguides, losses in waveguides, fields and matter interaction, electromagnetic theory and special relativity, ionospheric propagation.

Credits: 3

Prerequisites:

ELEG 304. Course Offering: Spring Semester

EECE 471: Design of Integrated Circuits,

Covers microelectronics and circuit design. In-depth coverage of Silicon-integrated device characteristics and fabrication.

Credits: 3

Prerequisites:

EECE 308. Course Offering: Fall Semester

EECE 477: Design of Integrated Circuits Lab

In-depth theoretical and experimental microelectronics through hands-on circuit design and testing. Detailed coverage of silicon-integrated device characteristics and fabrication.

Credits: 3

Prerequisites:

EECE 471. Course Offering: Spring Semester

EECE 479: Cybersecurity for NET CPS/IoT

This course is designed to introduce emerging topics related to cybersecurity challenges and practical cyber-defense/countermeasures in networked Cyber-Physical Systems (CPS) and Internet-of-Things (IoT). The course will cover fundamental concepts, technologies, theoretical understanding and practical basis for cybersecurity of networked CPS/IoT. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.

Credits: 3

Prerequisites:

Offered Fall Semester.

EECE 487: Telecommunications

Consists of telecommunications systems design for point-to-point and mass data distribution, modulation techniques, propagation modes and control methods.

Credits: 3

Prerequisites:

EECE 453. Course Offering: Spring Semester

EECE 495: Signal Processing

Presents sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and non-recursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to-analog conversion; effects of quantization and finite-word-length arithmetic, and design and implementation of these algorithms on Motorola family of Digital Signal Processor chips and/or other similar DSP chips.

Credits: 3

Prerequisites:

EECE 333. Course Offering: Fall Semester

EECE 496: Integrated Circuits Tech Lab

This laboratory course is to serve as a hands-on introduction to the environment, processes, and procedures that can be used in the processing of semiconductor materials, and fabrication of nanostructures. Processes that will be performed include lithography, metallization, materials characterization, etc. The evaluation procedures associated with each process will also be examined. Students will process semiconductor wafers resulting in the formation of actual device structures

Credits: 3

Prerequisites:

Offered Spring semester.

EECE 498: Independent Project

Study performed by individual student under faculty supervision.

Credits: 3

Prerequisites:

Departmental Approval. Course Offering: Fall and Spring Semesters

EECE 499: Special Topics in Electrical Engineering

Special courses not offered on a regular basis.

Credits: 3

Prerequisites:

Departmental Approval. Course Offering: Fall and Spring Semesters.

Architecture

ARCH

COURSE DESCRIPTIONS

ARCH 003: Environment and Architecture

This lecture course examines the interrelationship between the natural and built environments. Within this framework, students are introduced to natural, cultural, psychological, technological, economic and formal factors that have shaped buildings and human settlements across space and time. The course explores the ecological impact of the human settlement; addresses current environmental issues, and acquaints students with concepts of sustainable architecture and development. The course is open to the university community.

Credits: 3

ARCH 011: Elements of Architecture

Examines the elements of architecture as grouped into two major categories: (1) elements which originate from the needs of man and which are resolved in design, and (2) those elements which originate in nature and which are resolved in construction and technology

Credits: 3

Prerequisites:

ARCH 001, ARCH 150

ARCH 015: Language of Criticism of Art and Architecture

Introduces the student to the modes of criticism in art and architecture and focuses on the roles language and text play in our understanding of the entities and representations in art and architecture. Also provides an understanding of the new relationships between text commentary, language-criticism and the evolving discursive methods which linguistics has released into modern criticism.

Credits: 3

Prerequisites:

ARCH 302; ARCH 303

ARCH 100: Arch. Freshman Seminar

A seminar course which introduces first year students to a range of areas of interest, expertise, and career paths within the architecture profession.

Credits: 3

Prerequisites:

None

ARCH 150: Design Communications I

A studio course that introduces students to architectural representation. Orthographic projections, descriptive geometry, contours, paraline drawings, shade and shadows and model making are presented and applied.

Credits: 3

ARCH 151: Design Communication II

This course develops the techniques introduced in Graphics I and introduces freehand/estimated perspective, presentation composition and basic rendering techniques.

Credits: 3

Prerequisites:

ARCH 150

ARCH 160: Foundations in Design I

A seminar course which introduces first year students to a range of areas of interest, expertise, and career paths within the architecture profession.

Credits: 3

Prerequisites:

None

ARCH 161: Foundations in Design II

This course develops the techniques introduced in Graphics I and introduces freehand/estimated perspective, presentation composition and basic rendering techniques

Credits: 3

Prerequisites:

Arch 160

ARCH 199: Design I

This first course of the eight-semester design sequence develops principles of architecture in a studio setting. Projects explore notions of space definition, landscape intensification and transformation, space organization and elementary construction technologies

Credits: 6

Prerequisites:

ARCH 003, ARCH 011, and ARCH 151 OR ARCH 151 or ARCH 160 and ARCH 616

ARCH 200: Design II

Continuation of Design I. The level of complexity of the projects is increased. Issues of intention and image are introduced. Natural, suburban and urban sites are used to broaden student awareness of the environment. Ordering principles are related to function and to site conditions.

Credits: 6

Prerequisites:

ARCH 199

ARCH 201: Design III

Reinforces the concepts introduced in Design I and II and explores the impact of function, structure, construction, site conditions and climate on architectural form.

Credits: 6

Prerequisites:

ARCH 200

ARCH 202: Design IV

Continuation of Design III. Explorations of the impact of programming function, structure construction site conditions and the environment on architectural form.

Credits: 6

Prerequisites:

ARCH 201

ARCH 203: Design V

Reinforces work of earlier design studios and explores issues of more complex building types and urban design

Credits: 6

Prerequisites:

ARCH 202; ARCH 303; ARCH 522; ARCH 502; ARCH 651

ARCH 204: Design VI

Continuation of Design V. Exploration of issues of more complex building types and urban design and building design comprehensive needs

Credits: 6

Prerequisites:

ARCH 203; ARCH 503; ARCH 951; ARCH 304

ARCH 205: Design VII

Builds on work of previous design studios and emphasizes exploration and development of architectural expression through integration of various aspects of architectural design within cultural and site contexts

Credits: 6

Prerequisites:

ARCH 204; ARCH 392; ARCH 015

ARCH 206: Design VIII (Thesis)

The final design studios emphasize exploration and development of architectural expression through integration of various aspects of architectural design within cultural and site contexts

Credits: 6

Prerequisites:

ARCH 204; ARCH 701

ARCH 219: Contemporary Issues in Architecture

Seminar course which focuses on the work and writing of contemporary "cutting-edge" architects

Credits: 3

Prerequisites:

ARCH 301; ARCH 302; ARCH 303

ARCH 223: The Black Architect: A Historical Perspective

Seminar/independent research course that focuses on the history of Black architects and architecture in the United States to introduce students to an overview of the history, practice and influence of Black architects from the antebellum years through reconstruction, modern and present contemporary periods.

PREREQUISITIES: ARCH-301; ARCH-302.

Credits: 3

Prerequisites:

ARCH 301; ARCH 302

ARCH 223: The Black Architect: A Historical Perspective

Seminar/independent research course that focuses on the history of Black architects and architecture in the United States to introduce students to an overview of the history, practice and influence of Black architects from the antebellum years through reconstruction, modern and present contemporary periods.

Credits: 3

Prerequisites:

ARCH 301; ARCH 302

ARCH 232: Women in Architecture and Design

Lecture course that focuses on the contribution of women to architecture and design. Focuses on African American architects in the United States and also introduces a broader context of practitioners around the world.

PREREQUISITIES: Successful completion of first year.

Credits: 3

ARCH 270: Digital Tools in Arch.

Introduces architecture students to computer applications to architecture. Provides computer literacy for both business and graphic computer applications and systems management.

Credits: 3

Prerequisites:

None

ARCH 301: Architectural History Survey I

Principles of architectural history, the why and how of the study of history is presented in the context of early civilizations and their architecture. The course covers the beginning of the Arabic work, antiquity, late antiquity and post. Late antiquity crusades of Africa, Europe, Central Asia, Asia and pre-Columbian America.

Credits: 3

Prerequisites:

ARCH 003; ARCH 011

ARCH 302: Architecture History Survey II

This course provides clear definitions and limits of the elements of architecture as they relate to socio-cultural systems conferring significance and noteworthiness to respective historical styles, from post-renaissance period to the contemporary period.

Credits: 3

Prerequisites:

ARCH 301

ARCH 303: History and Theory III

The beginning of contemporary Western civilization in the Renaissance brings about new concerns. Architectural expression is presented as seen in Europe and America through the end of the 19th Century to the beginning of the 20th century to the era post modernism, to contemporary. Autonomous developments in the architecture of Africa, Asia, China, Japan and the Americas are examined

Credits: 3

Prerequisites:

ARCH 302

ARCH 305: Principles of Historic Preservation and Documentation

The course will introduce students to the history, theory and practice, design and aesthetics, laws and economics of historic preservation and the process and methods of documentation used to record historic building structures. The process and methods of documentation, research, analysis and graphic presentation utilizing a seminar/ demonstration/ case study approach is supplemented by seminar/lectures from specialists in the field.

Credits: 3

Prerequisites:

ARCH 301; ARCH 302

ARCH 308: Historic Preservation: Documentation

The course introduces students to the practice, design and aesthetics, of historic preservation and the process and methods of documentation used to record historic building structures. This course familiarizes students with the methods and means of research, analysis and documentation for the restoration and/or renovation of a historic structure.

Credits: 3

Prerequisites:

ARCH 301; ARCH 302; ARCH 305

ARCH 311: South Asia Architecture and Art

This course is an introduction to the art and architecture of the South Asia sub-continent of India, Pakistan and Bangladesh. The course spans the period of its early beginnings to present-day Modern Asia in a holistic cultural passage that is a window to the sociological, economic and religious- Hindu, Muslim, Buddhist- issues, explorations of the climatic and the environmental influences on its art and architecture.

Credits: 3

Prerequisites:

ARCH 301; ARCH 302; ARCH 303

ARCH 312: Kahn: Theory of Tectonics

This course, through class lectures and presentations, emphasizes the tension between the Theory and Practice of Architecture as illustrated in the work of Louis Kahn. Considerable time will be spent analyzing each building by Kahn in terms of structure, materials, geometry, context, budget, sustainability, construction, program, concept, natural light, precedents, and phenomenology to serve as a model for how students can research, understand, apply the exposure and knowledge gained in school to real-world buildings in the future.

Credits: 3

Prerequisites:

ARCH 301; ARCH 302; ARCH 303

ARCH 321: Centennial Study in Architecture at Howard University

The course Centennial Studies will plumb the individual stories that contribute to the saga of architecture education at Howard University, a great American story and give it expanded edges and the character that evolves from detailed, personal accounts of experiences over the course of life of the degree programs in architecture. February 9, 2011 marked the centennial anniversary of the Howard University Board of Trustees approving degree studies in architecture. Over the 100 years since that initiating action, this saga has broad themes of challenges and opportunities and all manner of success among the students, faculty and alumni. Within the broad themes, individual topics will be researched and documented in appropriate media. The intent is to identify and record the personal stories of participants in the saga. Specific skills that students will be exposed to and learn include researching historic topics, developing interview techniques, writing and varied presentation techniques, including short video documentaries.

Credits: 3

ARCH 350: Survey Contemporary Architecture & Theory

The primary learning objective in this course is to become familiar with the principle, current architectural theoretical ideas, their historical and cultural origins, principle protagonists and representative applications. The intellectual content comes largely from discourses arising from and responding to the so-called "Post Modern Crisis".

Credits: 3

Prerequisites:

ARCH 301; ARCH 302; ARCH 303

ARCH 360: Modern Architecture: Black Architecture

An introduction to the contributions of Black architects, the modernist period architecture of black architects in Washington, DC from a historic overview to research, analysis and documentation of the architecture produced by these prominent architects of this period. The work, specifically, The Houses of noted architects, Hilyard Robinson and Howard H. Mackey are addressed.

Credits: 3

Prerequisites:

ARCH 301; ARCH 302; ARCH 303

ARCH 401: Materials and Methods I

Introduces students to the technologies of light construction including wood framing, masonry, and concrete. Properties of these materials are analyzed and the problem associated with their assemblies are studied and graphically illustrated.

Credits: 3

Prerequisites:

ARCH 011; ARCH 001; ARCH 151

ARCH 402: Materials and Methods II

Further explores the issues from Materials and Methods I, analogy and specific issues related to assemblies in building construction and design. Steel and concrete constructions are also examined.

Credits: 3

Prerequisites:

ARCH 401

ARCH 406: Economic Analysis

Introduces students to the concepts of economics of development and the impact of cost on design. Focuses on relevant development issues including: development goals, site acquisition, locations, market demand, zoning and land use regulations, construction financing and investment potential.

Credits: 3

Prerequisites:

ARCH 205; ARCH 951

ARCH 501: Structures I (Statics)

Study of force composition, effect, resolution, equilibrium and the strength, mechanical and elastic properties of materials

Credits: 3

Prerequisites:

MATH 007

ARCH 502: Structures II (Strength)

Elementary analysis and design of structural framing members in wood, steel, and concrete.

Credits: 3

Prerequisites:

ARCH 501

ARCH 503: Structures III (Structural Innovations)

Analysis, design, comparison and selection of framing systems in the context of varied building requirements.

Credits: 3

Prerequisites:

ARCH 205

ARCH 504: Structural Innovations.

Innovations in digital media has facilitated the generation of complex, "potentially-architectural" ideas with relative ease. To explore these latent ideas as architecture, the study of structures must increase its capacity to engage these expressions. Through the dialogue between idea and structure architectural form is articulated. The course intent is thus, to develop the students understanding of the evolution of historical structural systems, as well as, the progression of innovative structural systems and their impacts and their potential impacts on architectural design. The course also applies a philosophical position regarding the relationship between structural systems and architectural form and space, to ultimately apply progressive thinking to innovative structural systems.

Credits: 3

Prerequisites:

ARCH 502

ARCH 506: NOMAS Design Competition I

Focuses on developing design ideas for entry into the 2019 NOMAS design competition in Brooklyn, NY. This 2-credit course will be taught in conjunction with a 1-credit course taught the following fall semester. It will function as an inclusive studio environment where all students are expected to participate not only in the completion of individual design work but also in team-skills building (through collective critiquing, research and collaboration).

Credits: 2

Prerequisites:

Third or fourth year standing; ARCH 203 or ARCH 204; ARCH 511 or ARCH 518

ARCH 507: NOMAS Design Competition II

Continuation of ARCH 506, NOMAS Design Competition I. Students will further develop the design from ARCH 506 for entry into the 2019 NOMAS competition. Presentation boards and models as well as all other competition requirements will be completed.

Credits: 1

Prerequisites:

Third or fourth year standing; ARCH 203 or ARCH 204; ARCH 511 or ARCH 518

ARCH 511: Introduction to Computer Applications in Architecture

This course introduces architecture students to the computer and its application to architecture. Provides computer literacy for both business and graphic computer applications and systems management.

Credits: 3

Prerequisites:

NONE

ARCH 513: Advanced Computer Applications Lec/Lab

Course familiarizes students with 3-D modeling and rendering and visual communication and presentation techniques. Students use the system to study mass, proportion, color, and materials to assist them in expressing the intent of their design concepts.

Credits: 3

Prerequisites:

ARCH 512

ARCH 515: Imagineering Design for Entertainment

The course in entertainment design involves the development of both architectural, engineering and storytelling skills to conceptualize, organize, write, and illustrate specifications to construct and create material, for digital and virtual experiences. Students gain experience in industry concepts and technology, to understand and develop special effects and exhibit development for the entertainment field, including, museums, historic sites, and amusement parks. The focus of this course is on the development of a product rather than how to use computer applications and will stress an industry methodology (workflow) for the development of entertainment concept design.

Credits: 3

Prerequisites:

ARCH 513

ARCH 518: Advance Design Technology & Application

Explores the use of advanced software and plug-ins to enable students to freely explore design ideas without limitation, develop design ideas with a heightened level of complexity, and produce quality representation narratives.

Credits: 3

Prerequisites:

ARCH 511

ARCH 521: Introduction to Environmental Systems I

Exploration of energy issues and conservation, climate, and heat loss and gain as factors in environmental design.

Credits: 3

Prerequisites:

MATH 007; PHYS 008; ARCH 200; ARCH 402

ARCH 522: Introduction to Environmental Systems II

Examination of principles and technologies of life safety stems, vertical transportation systems, electrical supply and distribution systems, lighting, and acoustics and their integration with architectural design.

Credits: 3

Prerequisites:

ARCH 202; ARCH 522; ARCH 502; ARCH 651; ARCH 303

ARCH 530: Intro to Sustainability

This introductory course will examine the meaning, history, sources, context and strategic approaches towards sustainability as viewed through a design lens. To approach an understanding of sustainable design, however, one must first explore what it means to be sustainable and why it is of primary importance in today's world, especially in architecture and design. Through a series of lectures, readings, field trips, student presentations, projects and film, this course will serve as a launching pad for responsible action and thoughtful design. This course will take a macro approach toward sustainability by casting a broad net on what the operating principles and strategies of sustainable design should espouse. This course is not intended to create a detailed analysis of specific projects or energy models for high performance buildings. It is meant to introduce students to a number of sustainable strategies and to inculcate the necessity for their inclusion in all design. No software is required for this course and it is open to all students, regardless of program or year.

Credits: 3

ARCH 550: Infrastructure Design & Development

The intention of this course is to introduce students to the rigors of infrastructure design and development and the merits of interfacing of both gray and green infrastructure design systems and the associated appropriate thinking and vocabulary.. To make them aware of the various players and stakeholders, the various layers of information to be processed and mapped, and to then guide them into the development of appropriate reports to convey intent and design recommendations.

Credits: 3

Prerequisites:

ARCH 522

ARCH 560: Building Types Research

The course is designed to provide the student the opportunity to identify and address significant issues/ concepts in architecture leading to the development of a building topic investigation.

Credits: 3

Prerequisites:

ARCH 951

ARCH 602: Landscape Architecture and Design (Developing Countries)

Principles and technologies of site design with emphasis on tropical regions.

Prerequisites:

ARCH 201; ARCH 202

ARCH 650: Urban Housing Seminar

This seminar focuses on practical aspects of the development of publicly financed, affordable housing and urban neighborhood development, with a particular emphasis on environmental sustainability. Washington, DC will form the backdrop for the discussion, which will regularly include local practitioners who are, recognized experts on specific topics. At the end of the semester, each student will have an understanding of the political, financial and social context within which architects and designers must work to realize high quality design. The course starts with the history of urban renewal, the overall structure of city government and then addresses issues specific to individual projects, such as financing, planning/zoning, and environmental concerns. The course ends with a discussion of various redevelopment projects currently being built throughout the District.

Credits: 3

Prerequisites:

ARCH 201; ARCH 202

ARCH 651: Principles of Urban Design

This course exposes architecture students to the concepts, methodologies, techniques and attitudes of urban design. To convey an understanding of urban design in the contexts of both the micro and macro scales of the built environment and to sensitize students to the place of architectural interventions in systems of urban design

Credits: 3

Prerequisites:

ARCH 201; ARCH 303; ARCH 001; ARCH 521

ARCH 652: Urban Design Case Studies

The main components of Urban Design are the square, the street and the buildings that make up the public face of towns and cities. The subject matter of the course details the meaning and role these elements play in urban design and the ways in which they are arranged and designed.

Credits: 3

Prerequisites:

ARCH 651

ARCH 656: Introduction to Community Planning

Course enables students to gain an understanding of and appreciation for the planning, policies, and programs which shape our communities. Using the case study method, students will be introduced to basic planning skills, research, analysis, critical thinking, strategies for conflicts resolution, program planning, design and development. The course is open to the University community.

Credits: 3

Prerequisites:

ARCH 201; ARCH 202301; ARCH 302; ARCH 303

ARCH 657: Preserving US Sites of Memory Abroad

This course will study the design philosophies, design processes and meaning of the American Battle Monuments Commission (ABMC) properties in Europe, the USA, North Africa, Mexico and Asia. Additionally, sites developed by other entities in the US will be considered (Pennsylvania State WWI memorial outside of Chateau Thierry, France). This course is a specialized extension of Principles of Urban Design focusing on sites of memory and their characteristics. Students will apply the techniques of urban design analysis learned in Site: Design & Principles to study selected sites and their meaning and contexts.

Credits: 3

Prerequisites:

ARCH 201; ARCH 303; ARCH 001; ARCH 25101; ARCH 302; ARCH 303

ARCH 658: Urban Design of Sacred Places

This course will explore the process that human beings used to make spaces sacred. It will examine four major examples of sacred spaces from the history of architecture

Credits: 3

Prerequisites:

ARCH 205; ARCH 951

ARCH 659: Independent Study: New Orleans Rebuilding

This course is designed to give students the opportunity to examine the physical, social, and policy changes in and around the city of New Orleans after the landfall of Hurricane Katrina.

Credits: 3

ARCH 660: Urban Housing Case Studies

This seminar will introduce students to different urban housing development models within the City of New Orleans with a particular focus on historic preservation. Students will learn the methodology of neighborhood development and preservation while maximizing sustainability through case studies. The course will culminate in a field trip to New Orleans where students will tour case study sites and meet development professionals involved in the important preservation work taking place. The class will be taught by live and remote lecture via Skype

Credits: 3

Prerequisites:

ARCH 201; ARCH 202

ARCH 662: Tropical Architecture & Urbanism

Studies severe environmental constraints that tropical zones place on architectural design and planning development. Emphasis on indigenous design and planning practices and solutions in addition to technologically advanced contemporary approaches and achievements.

Credits: 3

Prerequisites:

ARCH 202

ARCH 663: Black City: the Other and the City

This seminar course explores the theoretical projections of the conceptual and ideological constructs of "blackness" related to space and urbanity to engage in research to expand upon the framework of the black city by exploring the relationship between development of and race in the DC Metropolitan area. The course intent is consistent with the Architecture programs direction of community design and understanding of the urban environment, especially of the African American communities

Credits: 3

Prerequisites:

ARCH 301; ARCH 302; ARCH 303

ARCH 664: Design for Low Cost Housing: Global Perspective

In this course, students will use the case study format through comprehensive student group projects to identify design principles, planning, problems, lack of imagination, lack of design, for planned expansion, neglect of fundamental principles of climatology as applied to housing design, identification of what inhibits the principles of good design as a result of customs taboos, and the desires of people in selected and diverse communities.

Credits: 3

Prerequisites:

ARCH 301; ARCH 302; ARCH 303

ARCH 669: Islamic Architecture & Urbanism

The course is a critical survey of the history and theory of urban development, organization, and architecture of Muslim cities with specified periods of history as well as within given parts of the world.

Credits: 3

Prerequisites:

ARCH 302

ARCH 701: Public Issues and Architecture

This course introduces students to key issues and factors linking architects to the public through an examination of historical developments, public policy, and contemporary development initiatives. An emphasis is placed on issues related to the proliferation of suburbia and the resurgence of urban centers in North America. Human settlements and buildings are shaped within processes and systems regulated by government. They are also a reflection of cultural and social values, channeled through the work of design and development professionals

Credits: 3

Prerequisites:

ARCH 203

ARCH 751: Professional Practice

Study of standard practices of the architectural profession, including ethics, contracts, performance criteria and fiscal management.

Credits: 3

Prerequisites:

ARCH 205

ARCH 752: Business of Architecture

This course will provide students with a broad understanding of the real estate development industry, real estate finance and the architect's role in a development deal. Students will track an affordable housing deal from beginning to completion, while concurrently learning about issues surrounding site selection, land use and zoning, finance, ownership structure, construction documents, relationships of parties, and sustainability. The course will include an analysis of project pro forma, the financial relationships of the parties, risk and liability, as well as financing tools. By the end of the course students will have a firm grasp of the anatomy of a real estate project, and understand how to evaluate potential projects using the triple bottom line metric.

Credits: 3

Prerequisites:

ARCH 203

ARCH 753: The Anatomy of Black Architectural Practice

This introductory survey course focuses on the historical and the current issues, theories and approaches related to the practice of architecture in firms headed by African Americans. The course engages both research and seminar formats to investigate and report on the factors which influence the success (or failure) of the African American in architecture practice. The research and course is consistent with the Department of Architecture's goal of advancing the study of the role of the African American Architect, of Howard University's role as the leading educator of Black architects, and to enhancing the scholarship of the Black Architect and to provide focus on the Howard University architecture program as a leader in the study of the influence of the Black Architect and its practice globally.

Credits: 3

Prerequisites:

ARCH 200

ARCH 755: The (FAB) Collaborative: Freelon, Adjaye, Cook

This course focuses on various aspects of museum planning and design based upon the new Smithsonian Museum of African American History and Culture (NMAAHC), on the National Mall in Washington DC. Through firsthand insight into the interworkings of this historic-groundbreaking design collaborative, the principals of the FAB team - Phillip Freelon, FAIA, David Adjaye, OBE and Peter Cook, AIA- through a series of collective lectures and workshops explore museum planning and design from the early political background leading to the inception of the project and the formation of this dynamic team, the conceptual realization and design to the eventual physical realization of this monumental design from the perspective of these world renown design principles.

Credits: 3

Prerequisites:

ARCH 205; ARCH 951

ARCH 803: Independent Study

.Independent study in the area of the student's professional interest. Students must complete an Independent Study Proposal and have it signed by their major advisors as well as the department chair.

Credits: 3

Prerequisites:

Fourth or fifth-year standing and approval of the faculty and Department Chair. ARCH 204; ARCH 701.

ARCH 807: Site: Design & Principles

The course covers all aspects of site analysis and design from the graphic tools to the critical components that must be evaluated in the process of determining the proper planning and design of a site.

Credits: 3

Prerequisites:

ARCH 151; ARCH 199

ARCH 809: Explorations in Architecture

This seminar course focuses on international practice and merging trends in architectural design. Approval of the Department Chair.

Credits: 3

Prerequisites:

ARCH 204; ARCH 701

ARCH 811: Directed Studies

Students work closely with an instructor or the department chair on a designated project within the Department of Architecture, faculty research or other initiative. Required guided independent study at the advanced level.

Credits: 3

Prerequisites:

Department Chair approval. ARCH 204; ARCH 701

ARCH 823: New Architecture in Historic Districts

The course will examine the nature of historic districts, including the criteria for and importance of physical context. Students will be exposed to basic field techniques and skills necessary to accurately interpret the fabric of historic buildings and their settings. The analysis will include the impacts and implications of new design within historic districts

Credits: 3

Prerequisites:

ARCH 202; ARCH 401; ARCH 522ARCH 651

ARCH 824: Waterfronts: Des &Sustain

To introduce students to a range of practical issues involved in the design and management of modern waterfront development, including financing and fiscal arrangements, monitoring of instrumental behavior and use in development of mixed-use urban waterfront communities. The course examines several case studies drawn from around the world. It will highlight sustainability and public interest issues in waterfront development, and deals with the practical planning and design issues which determine how, where and when architecture, urban planning, urban design and urban landscaping confront the realities of water, sustainability, waterfront regeneration, and the new densities and diversification of activities on waterfronts.

Credits: 3

Prerequisites:

ARCH 651

ARCH 891: Thesis Preparation

Research methods, analysis, and program development for thesis project.

Credits: 3

Prerequisites:

ARCH 204; and within 36 credits of completion of the curriculum.

ARCH 901: Programming

Course focuses primarily on needs of students who are approaching design problems requiring a sequential structuring for analysis, synthesis and evaluation. The course covers micro to macro-environmental programming and design procedures. Considerable emphasis on development and use of appropriate communication skills with case studies.

Credits: 3

Prerequisites:

Second Year Standing

ARCH 909: Advanced Delineation

Study and application of rendering techniques in various media.

Credits: 3

Prerequisites:

ARCH 151

ARCH 912: Meaning and Symbolism in Architecture

The course focuses on architecture viewed as systems, signs, and symbols and its processes studied through patterns of information and communication. The pedagogical objective is to accentuate on the differences between hidden dimensional meanings of a simple engineered building and a meaningful work of architecture. Symbolic language in architecture is represented through formal expressions of meanings associated with parts and patterns used in morphology of architecture whether they are parts, patterns, or the whole of any given piece of architecture

Credits: 3

Prerequisites:

ARCH 151

ARCH 951: Construction Documents I

Involves the preparation of technical, professional, and legal documentation for building projects

Credits: 3

Prerequisites:

ARCH 202; ARCH 522; ARCH 502

ARCH 952: Construction Document II

(Narrative) Continuation of ARCH 951.

Credits: 3

Prerequisites:

ARCH 951

ARCH 961: Construction Management

The study of project management techniques as they relate to the architect and the construction industry

Credits: 3

Prerequisites:

ARCH 204; ARCH 402; ARCH 521

ARCH 998: Internship

Students are placed on a part-time basis with practicing firms, municipal and governmental agencies to participate in the actual organizational functions.

Credits: 3

Prerequisites:

Third year standing. Permission of the faculty.

Chemical Engineering

CHEG

COURSE DESCRIPTIONS

CHEG 102: Introduction to Engineering Design

Introduction to chemical process design within the context of technological, social, cultural and intellectual developments; The course will help students to appreciate and understand the intellectual framework of engineering and the critical thinking that goes into it; Students will be expected to incorporate an understanding of the role of economic, safety, environmental and ethical considerations into the practice of engineering; and understand the way data is obtained and analyzed with an introduction to software packages that will be utilized in the chemical engineering program; and to provide students the skills and background necessary to be able to interpret data and discuss and communicate results and conclusions. CO-REQ: CHEM-003.

Credits: 3

CHEG 201: Chemical Engineering Material Balances

Analysis and application of material balances to chemical engineering operations and processes, introduces stoichiometric relations, process flow sheeting and correlations of chemical and physical properties.

Credits: 3

Prerequisites:

MATH-156 & CHEM-003

CHEG 202: Chemical Engineering Energy Balances

Application of energy balances to chemical engineering operations and processes that involve non-reactive and reactive systems. The first law of thermodynamics and the correlation of chemical and physical properties are treated along with chemical and phase equilibria.

Credits: 3

Prerequisites:

CHEG-201 and MATH-157.

CHEG 211: Computational Methods in Chemical Engineering

Elective. Introduction to the methods and techniques of computer-assisted problem solving methods, and also to review various engineering mathematical techniques and their application in solving chemical engineering problems.

Credits: 3

Prerequisites:

CHEG 102, MATH 156

CHEG 301: Fluid Mechanics

Quantitative study of chemical engineering unit operations including fluid flow in piping systems and through porous media; motion of particles in fluids; metering; and differential analysis of pipe flow.

Credits: 3

Prerequisites:

CHEG-202, PHYS-013

CHEG 302: Heat Transfer

Quantitative study of chemical engineering operations including heat exchange by conduction, convection and radiation as well as Heat Exchanger Design.

Credits: 3

Prerequisites:

MATH-159; CO-REQ: CHEG-301.

CHEG 303: Chemical Engineering Thermodynamics

Course focuses on the basic thermodynamics theorems for single phase behavior (gas and liquid) of pure and the mixture system, phase equilibrium, and the modeling for physical processes and industry applications.

PREREQ: CHEG-202; PHYS-013

Credits: 3

Prerequisites:

CHEG-202; PHYS-013.

CHEG 306: Chemical Engineering Analysis

Introduction of chemical engineering analysis that enables us to express engineering problems in precise quantitative terms. This translation process, from physical system to mathematical description, will be emphasized throughout the course. The fundamental principles that will be used are the conservation laws of mass and energy adapted to the particular situations of interest. These may be closed systems (no flow into or out of the system boundaries) or open systems where such flows occur. We will solve systems of algebraic and first order differential equations with an emphasis on the modeling and simulation techniques of the MATLAB/SIMULINK package.

Credits: 3

Prerequisites:

MATH- 159, CHEG-301; CO-REQ: SYCS-165

CHEG 401: Separation Process/Mass Transfer

Quantitative study of chemical engineering operations involving equilibrium stage and differential mass transfer operations. To instruct the students on the fundamentals and the methodologies of equilibrium stage and differential mass transfer operations for the calculation of separation parameters.

Credits: 3

Prerequisites:

CHEG-302, CHEG-303, CHEM-171/Permission of instructor.

CHEG 402: Process Control

Involves methods of process control, dynamic response of chemical processing equipment and systems, modes of control and controller characteristics, and use of mathematical and experimental models.

Credits: 3

Prerequisites:

CHEG-302, CHEG-306 or Permission of Instructor.

CHEG 403: Chemical Reaction Engineering

Presents the fundamentals of chemical reaction kinetics and application of kinetics, thermodynamics, and transport phenomena to the design of chemical reactors.

Credits: 3

Prerequisites:

CHEG-301, CHEG-303, CHEM-141, CHEM-171, MATH-159 or Permission of instructor.

CHEG 405: Chemical Engineering Laboratory

Application of chemical engineering process and unit-operation principles to quantitative experiments in small-scale equipment.

Credits: 3

Prerequisites:

CHEM-145 or CHEM-173; COREQ: CHEG-401

CHEG 406: Introduction to Polymer Systems

Elective. Modern industrial and commercial processes for production and fabrication of polymer materials.

Credits: 3

Prerequisites:

CHEM-142 and CHEM-171; CHEG 303; COREQ: CHEG 302.

CHEG 407: Process Design I

Involves cost estimation, materials of construction, and fabrication selection in the optimum design of chemical processing systems and equipment along with optimization incorporating the time-value of money and mathematical programming techniques.

Credits: 3

Prerequisites:

CHEG-303, CHEM-171 or Permission of instructor; COREQ: CHEG-302, CHEG-401.

CHEG 408: Mathematical Methods in Chemical Engineering

Elective. Teaches use of the basic laws of conservation of momentum, mass, and energy, including rate expressions to formulate ordinary, partial differential and other fundamental equations describing chemical engineering processes, analytical and numerical solutions of resulting equations.

Credits: 3

Prerequisites:

CHEG 306 or permission of instructor.

CHEG 409: Independent Study in Chemical Engineering.

Elective. Provides advanced treatment of selected topics in chemical engineering, with independent study subjects arranged to fit the interests of the student and advisor.

Credits: 1-3

Prerequisites:

Junior standing or Permission of instructor.

CHEG 410: Advanced Mass Transfer -- Selected Topics

Elective. Deals with dynamic sorption operations and newly developing separation techniques, including equilibrium concepts and mass transfer design methods.

Credits: 3

Prerequisites:

CHEG 303 and CHEG 401

CHEG 412: Transport Phenomena

Elective. Provides a unified treatment of momentum, heat, and mass transport, with development of equations of change and application of microscopic and macroscopic balances to a variety of chemical engineering problems.

Credits: 3

Prerequisites:

CHEG 306; COREQ: CHEG-40I or Permission of instructor.

CHEG 413: Chemical Engineering Lab

Course involves the application of chemical engineering process and unit-operation principles to quantitative experiments in small-scale equipment.

Credits: 3

Prerequisites:

CHEM 145 or CHEM 173; Coreq: CHEG 401, CHEG 403

CHEG 414: Process Design II

Instruction in the use of chemical engineering and economic principles in solving problems of design and optimization of chemical processing systems and equipment, along with application of optimization methods and computer simulations in determining optimum selection of process variables.

Credits: 3

Prerequisites:

CHEG-306, CHEG-401, CHEG-403, CHEG-407, CHEM-142, CHEM-172 or Permission of instructor.

CHEG 416: Fundamentals of Environmental Engineering

Elective. Introduces students to environmental engineering, hydrology, water and waste water treatment, air pollution and control, solid waste disposal, and hazardous waste treatment and management.

Credits: 3

Prerequisites:

CHEG 306 or Permission of instructor.

CHEG 417: Frontiers in Nanoscience Engineering and Technology

Elective. This course will emphasize the history of and characterization tools for nanotechnology. Leading edge areas of research and potential impacts of nanotechnology will be covered.

Credits: 3

Prerequisites:

Permission of instructor.

CHEG 424: Bioprocess Engineering

Elective. Provides students with a rudimentary but sufficient and necessary introduction to the biological sciences, which underlie the applications of chemical engineering principles and practices to the biological processing of materials into marketable products and processes. The principles and practices of chemical engineering are then brought to bear on phenomena in the various life-science disciplines leads then to studies of bioreactor engineering, kinetics and design, and bioseparation processes.

Credits: 3

Prerequisites:

CHEG 202 or Permission of instructor.

CHEG 425: Air Pollution Engineering

Elective. Deals with thermodynamics and reaction kinetics of primary and secondary air pollutants, transport and diffusion processes in the atmosphere, stack design and plume dispersion modeling, and design of air pollution control equipment for particulates and gases.

Credits: 3

Prerequisites:

CHEM 142 and CHEG 306; CO-REQ: CHEG 401.

CHEG 426: Polymer Rheology

Elective. Treats viscoelasticity and the generalized Newtonian fluid, including the power law, in fluid mechanics and rheology. Differential and integral constitutive equations.

Credits: 3

Prerequisites:

CHEG 412.

CHEG 428: Introduction to Electrochemical Engineering

Elective. Introduces students to fundamentals of electrochemical engineering. Treats fuels cells, energy generation with some focus on electrochemical membranes.

Credits: 3

Prerequisites:

Permission of instructor.

CHEG 430: Nanomaterials

Elective. Leading edge areas of research and potential impacts of nanotechnology will be covered. Although nanomaterials fabrication and processing will be emphasized, production of nanobioassemblies, and nanomedicine applications will be reviewed.

Credits: 3

Prerequisites:

Permission of instructor.

CHEG 800: Chemical Engineering Seminar

Elective. Presents selected topics of interest to chemical engineering students and professionals and discusses professionalism, careers in chemical engineering, graduate school and AIChE.

Credits: 0

CHEG 900: Engineering Practice

Elective. Involves practical engineering work carried out by students enrolled in the Cooperative Education Program during the time spent in industry. Credit may be awarded based on an evaluation of work experience by the faculty and employers.

Credits: 3

Prerequisites:

Enrollment in Cooperative Education Program.

EGPP 101: Introduction to Engineering

Introduces and engages first year engineering students in the engineering and design process. Focus is given to knowledge of ethics and other issues of relevance to society. PREREQ: None.

Credits: 2

Mechanical Engineering

MEEG

COURSE DESCRIPTIONS

MEEG 102: Introduction to Engineering II

Continuation of EGPP 101.

Credits: 1

Prerequisites:

EGPP 101.

MEEG 103: Introduction to Computer Aided Design

Introduction to engineering drawing and descriptive geometry, space visualization and coordinate systems, conventions, projection drawings, freehand sketching, vectors, and graphical mathematics. Freehand, instrument, and computer techniques are used.

Credits: 2

MEEG 202: Product Development I,

Treats different stages in developing a product including identification of customer need, product specifications, design conceptualization, product architecture and design for manufacturing. Also discusses effective prototyping and economics of product development.

Credits: 2

Prerequisites:

MEEG 102.

MEEG 203: Product Development II,

Manufacturing processes including metal casting, rolling, forging, sheet metal forming, material removal processes, polymer processing, and joining techniques will be discussed. Also, surface treatment techniques will be treated. Laboratory provides hands on experience in conventional machining, polymer processing, and composite manufacturing.

Credits: 3

Prerequisites:

MEEG 103

MEEG 204: Solid Mechanics,

Presents basic concepts of stress and strain of deformable bodies, state of stress and strain, Mohr's circle, and bending of prismatic bars, among other topics.

Credits: 3

Prerequisites:

CIEG 202; Co-requisite: MATH 159.

MEEG 206: Solid Mechanics Lab

Experiments designed to expose students to experimental techniques applicable in evaluation of the mechanical properties of materials including measurement of static and dynamic properties

Credits: 1

Prerequisites:

CIEG 202, PHYS 013, PHYS 023

MEEG 207: Introduction to Engineering Computations

Introduces programming with computers. Programming concepts include procedural thinking, algorithm development, and techniques for developing solutions to engineering problems using software packages such as MATLAB

Credits: 2

Prerequisites:

PHYS 013

MEEG 209: Material Science

Correlation of the structure of metals, ceramics, and organic materials with their mechanical and physical properties; control of properties by modifying the microstructure, and stability of materials in service environments.

Credits: 3

Prerequisites:

CHEM 003, PHYS 014, MATH 158

MEEG 301: System Dynamics

Introduction to modern control theory, including digital control and nonlinear system analysis. Mathematical modeling of physical systems with mechanical, fluid, thermal and/or electrical elements. Classical feedback control theory and design, and their application to practical electromechanical and aerospace problems.

Credits: 1

Prerequisites:

CIEG 302, MATH 159, MEEG 207

MEEG 305: Thermodynamics

Presents basic thermodynamic concepts and definition, laws of thermodynamics, properties of pure substances, and entropy and availability. Introduction to statistical thermodynamics.

Credits: 3

Prerequisites:

PHYS 014, MATH 158.

MEEG 306: Applied Thermodynamics

Study of mixtures, combustion, power cycles, gas turbines, and compressors; reciprocating engines, refrigeration, and reactive systems. Introduction to Onsager's relations and direct energy conversion. Laboratory work included.

Credits: 3

Prerequisites:

MEEG 205.

MEEG 307: Fluid Mechanics I

Includes properties and mechanics of fluids; kinematics; and control volume continuity, momentum, and moment of momentum equations.

Credits: 3

Prerequisites:

MATH 159, CIEG 302.

MEEG 308: Aerofluid Dynamics

Potential flow theory and compressible flow; circulation, vorticity and wing theory, shock waves, expansion waves and nozzles; introduction to boundary layer theory and applications.

Credits: 3

Prerequisites:

MEEG 205, MEEG 307.

MEEG 309: Material Science

Correlation of the structure of metals, ceramics, and organic materials with their mechanical and physical properties; control of properties by modifying the microstructure, and stability of materials in service environments.

Credits: 3

Prerequisites:

CHEM 003, PHYS 014.

MEEG 310: Mechanical Design I

Integration of knowledge of strength of materials in a design context, stress and deflections in engineering structures. Theories of failure. Introduction to the design of machine components, such as screws, fasteners, bolts, welded joints, shafts, axles, and mechanical springs.

Credits: 3

Prerequisites:

MEEG 204; MEEG 209.

MEEG 311: Mechanical Design II

Discusses frictional and wear considerations in design of mechanical systems. Also covers design of rolling contact bearing, journal bearings, spur, helical, bevel, and worm gears, clutches and brakes, flexible mechanical elements; hydrodynamic lubrication.

Credits: 3

Prerequisites:

MEEG 310.

MEEG 313: System Dynamics and Controls

Introduction to modern control theory, including digital control and nonlinear system analysis. Mathematical modeling of physical systems with mechanical, fluid, thermal and/or electrical elements. Classical feedback control theory and design, and their application to practical electromechanical and aerospace problems.

Credits: 4

Prerequisites:

CIEG 302, MEEG 205, MEEG 307, MATH 159.

MEEG 315: Experimentation I

Basic principles of instruments and sensors employed in engineering measurements. Nature of experimental error and uncertainty analysis.

Credits: 2

Prerequisites:

ELEG 204, ELEG 310, MATH 159.

MEEG 316: Instrumentation & Experimentation Lab

Basic principles of instruments and sensors employed in engineering measurements. Nature of experimental error and uncertainty analysis.

Credits: 2

Prerequisites:

EECE 310, MATH 159

MEEG 318: Jet Propulsion

Power cycles, combustion fundamentals, aircraft and missile propulsion, engines compressors and turbines.

Credits: 3

Prerequisites:

MEEG 306; MEEG 320.

MEEG 319: Manufacturing

Discusses major groups of manufacturing processes which consist of casting, forming, machining and joining processes. Each group of manufacturing processes includes several manufacturing techniques for producing diverse manufactured parts. Also, manufacturing processes for a competitive environment will be introduced. These processes include automation in manufacturing and computer-integrated manufacturing.

Credits: 3

Prerequisites:

MEEG 204, MEEG 209

MEEG 320: Fluid Mechanics II

Covers the fundamental physical concepts related to external flow. Students will demonstrate necessary problem-solving skills to solve basic engineering problems in fluid and aero systems in which fluid analysis is necessary.

Credits: 3

Prerequisites:

MEEG 307

MEEG 350 Computer Aided Engineering: Advanced Vehicle Design & System Integration

Theory and application of computer aided engineering based on FEA and CFD codes for the modeling, simulation and analysis of mechanical engineering systems

Credits: 3

Prerequisites:

MEEG 101, MEEG 204, MEEG 307

MEEG 403: Heat Transfer

Analytical and numerical treatment of heat transfer by conduction, convection, and radiation; steady and unsteady state heat flow; condensing vapors; and boiling liquids.

Credits: 3

Prerequisites:

MEEG 205, MEEG 307.

MEEG 415: Experimentation II

Fundamentals of computer based data acquisition and application of digital techniques to mechanical measurements.

Credits: 2

Prerequisites:

MEEG 315.

MEEG 416: Aerostructures

Static analysis of aerospace structures; external loading and environment; failure theories of materials; deflection of unsymmetrical cross-section beams; thermal stress; torsion of thin-walled sections; stiffened shell structures, buckling of columns and plates; introduction to dynamic analysis.

Credits: 3

Prerequisites:

MATH 158, MATH 159, MEEG 204.

MEEG 417: Experimentation III

Experiments designed to expose students to experimental techniques applicable in evaluation of the behavior mechanical and thermal systems.

Credits: 2

Prerequisites:

MEEG 415.

MEEG 418: Vibration Analysis

Covers single DOF, two DOF and multi-DOF systems of vibration analysis, mode shape functions, numerical solutions and software packages.

Credits: 3

Prerequisites:

MEEG 301.

MEEG 421: Product Data Management

Participants will study topics fundamental to global collaborative engineering, product data management, and collaborative product data management. These topics will be applied during team projects utilizing state of the art collaborative engineering and product data management software and hardware technologies. This course may also contain live online video lectures originating from participating universities.

Credits: 3

Prerequisites:

MEEG 103; MEEG 310.

MEEG 423 : Thermal/Fluid Science Lab

Experiments designed to expose students to experimental techniques applicable in evaluation of the behavior fluid and thermal systems

Credits: 1

Prerequisites:

MEEG 307. Co-requisite: MEEG 403.

MEEG 438: Environmental Control

Analysis and design of heating, cooling, ventilation, and air distribution systems, including physiological and climatic factors, along with such new concepts of thermal systems as solar energy, total energy, and energy conservation.

Credits: 3

Prerequisites:

MEEG 306, MEEG 403

MEEG 441: Senior Project I

Independent team design study of current interest under supervision of faculty members. Report must be submitted for review by mechanical engineering faculty before graduation.

Credits: 3

Prerequisites:

MEEG 311.

MEEG 442: Senior Project II,

Team design study. Continuation of MEEG 441.

Credits: 3

Prerequisites:

MEEG 441.

MEEG 443: CAD/CAM

Fundamentals of computer graphics and introduction to computer aided design software and solid modeling. Fundamentals of machining, numerical control and numerical control programming. Laboratory provides hands on experience in computer integrated manufacturing and CNC milling and turning.

Credits: 3

Prerequisites:

MEEG 207, MEEG 301, MEEG 310.

MEEG 444: Robotics

Kinematics and dynamics of robot manipulators, robot programming languages, structural members; fatigue, creep, and stress team or design study of current interest.

Credits: 3

Prerequisites:

MEEG 313.

MEEG 445: Undergraduate Research I

Analysis, design and/or experimentation in Instructor's area of interest.

Credits: 3

Prerequisites:

Consent of Instructor.

MEEG 446: Undergraduate Research II

Analysis, design and/or experimentation in Instructor's area of interest.

Credits: 3

Prerequisites:

Consent of Instructor.

MEEG 447: Computational Fluid Dynamics

Solutions to fluid flow problems using computers. Students will gain familiarity with numerical methods and acquire experience in solving fluid mechanics and heat transfer problems using computers.

Credits: 3

Prerequisites:

MEEG 320, MEEG 403.

MEEG 450: MEMS

Various topics related to Microelectromechanical systems (MEMS) are covered in the class. Those topics are comprised of but not limited to micro-sensors, micro-actuators, optomechanical devices, and labs-on-a-chip

Credits: 3

Prerequisites:

PHY 013; PHYS 014, MEEG 209

MEEG 461: Energy Engineering I

Introduction to modern energy sources useful for engineering applications. Includes fossil, nuclear, solar, wind, geothermal and biomass.

Credits: 3

Prerequisites:

MEEG 306

MEEG 462: Energy Engineering II

Analysis of current practices governing use of energy sources. Effective utilization and economic considerations are discussed. New and emerging technologies (such as synfuels and cogeneration) are discussed.

Credits: 3

Prerequisites:

MEEG 461.

MEEG 990/991: Co-op Mechanical Engineering

For students enrolled in the Cooperative Education Program during time spent in industry. Credit may be awarded based on evaluation of employer(s) and a written report by the student.

Credits: 1-12

Computer Engineering

SYCS

SYCS 100: Introduction to Systems and Computer Science

Provides information about the curriculum and the various concentration tracks, faculty research interest, departmental resources, problem solving, critical thinking, computational thinking. Introduces the software engineering design process and provides the opportunity for students to complete a design project.

Credits: 2

SYCS 135: Computer Science I

This course provides an introduction to the discipline of computer programming, and is designed to expose students to basic programming concepts and to the use of the C++ language. This course is designed to enhance the student's ability to design, develop and test/debug programs. Each student will increase his or her skill in writing correct and maintainable programs. Emphasis will be placed on problem analysis and on the subsequent development of algorithms. Several standard data types will be discussed and the student will gain an understanding of the issues relating to the use, design and implementation of each type in C++. A major focus of the lectures will be to provide an overview of real-world problem solving concepts and top-down software design. No Prereq.

Credits: 4

SYCS 136: Computer Science II

Course exposes students to the software development life cycle with a focus on the concepts and use of the object-oriented paradigm in problem analysis, solution design, software development and implementation. This course is designed to enhance the student's ability to engineer software that is efficient, maintainable and cost efficient over its entire life cycle. Data abstraction is discussed in depth and students gain experience in the use of classes, object and member functions. Students gain an understanding of the development of reusable abstract data types. Software reuse is emphasized and object-oriented concepts are used throughout the course. O-notation and the complexity of algorithms are discussed at relevant points in the course.

Credits: 3

Prerequisites:

Computer Science I (with a grade of 'C' or better).

SYCS 140: Programming Team

This course is for participants of the programming team.

Credits: 1

SYCS 165: Scientific Computing for Engineers

Introduces programming and use of digital computers through symbolic programming. Programming includes general problem-solving and the systematic development of algorithms; use includes the coding of programs and practical experience in Maxima or Matlab.

Credits: 3

SYCS 165: Scientific Computing for Engineers

Introduces programming and use of digital computers through symbolic programming. Programming includes general problem-solving and the systematic development of algorithms; use includes the coding of programs and practical experience in Maxima or Matlab.

Credits: 3

SYCS 201: Computer Organization I

This course introduces students to assembly programming. The concepts that support assembly programming will be taught, including data formats, addressing modes, computer arithmetic etc. The instruction set of a particular assembly language will then be covered in details. The relationship between assembly programs and high-level language programs will also be revealed.

Credits: 3

SYCS 202: Computer Organization II

This course reveals how computers operate logically at the hardware level and presents the relationship between computer hardware and software. Topics include performance metrics, logic design, non-pipelined and pipelined datapath design, memory hierarchies, and I/O devices.

Credits: 3

SYCS 203: Object-Oriented Programming using Java

This course provides an introduction to Java programming and object-oriented programming concepts for students with previous programming experience in C/C++. The course provides a comprehensive overview of basic programming concepts in the Java programming language using an object-oriented approach.

Credits: 1

Prerequisites:

Computer Science II.

SYCS 211: Unix Lab

This course will present the basic concepts of LINUX and UNIX operating systems. Topics that will be examined include Vi editor, Linux Command, directories, Disks and File systems, Users and Groups, File Permissions, Processes, file compression, basic network use, manage files, create and modify files, and Shell script.

Credits: 1

Prerequisites:

Computer Science I.

SYCS 341: Theory of Computation

Introduction to the classical theory of computer science. A study of the formal relationships between machines, languages and grammars; we will cover regular, context-free, context-sensitive, recursive and recursive enumerable languages. Sequential machines and their applications to devices, processes, and programming. Models of computation: finite state automata, push down automata, Turing machines. The role of non-determinism.

Credits: 3

Prerequisites:

Computer Science III and Discrete Structures, Calculus II.

SYCS 350: Structure of Programming Languages

The course will teach students the basic components of the design and analysis of computer programming languages as well as the fundamental computation theory that is required to understand those concepts. The course will also cover several non-imperative languages (unlike C, such as LISP and Prolog) to expose students to the diversity of programming languages.

Credits: 3

Prerequisites:

Computer Organization, Theory of Computation (After fall 2008).

SYCS 354: Computer Science III

The course continues the study of data structures and algorithms, focusing on algorithmic design and problem analysis and the relationships between data representation, algorithm design, and program efficiency. Topics include advanced data structures, key algorithm design techniques, analysis of the time and space requirements of algorithms, and the subsequent development of solution of systems. Concrete examples will be drawn from a variety of domains, such as algorithms for trees and graphs, indexing and search, and real-world problems.

Credits: 3

Prerequisites:

Computer Science II (with a grade of 'C' or better).

SYCS 363: Large Scale Programming

This course will introduce the students to applications and systems in the large scale. Students will be introduced to the object-oriented method to software design using UML and will apply the object-oriented design/analysis techniques of UML to a realistic Java application. Students will gain familiarity with managing larger projects and OOA/D.

Credits: 3

Prerequisites:

Computer Science III

SYCS 364: Web Services

Presents topics in distributed computing with particular emphasis on Web Services using Microsoft .NET Framework. Also discussion on layered protocols, the client-server model, remote procedure call. Students program extensively in C# and Visual Basic .NET. Corequisites: 306-401 (Undergraduate Operating Systems) basic knowledge of operating system services, 306-450 Data Communications.

Credits: 3

SYCS 375: Software Engineering

This course will introduce students to the basic concepts of software engineering and the software development life cycle. The course will cover methodological techniques for software specification, design, implementation, testing, verification, and documentation. The course will also present the use of state-of-the-art tools for computer-aided software engineering (CASE).

Credits: 3

Prerequisites:

Computer Science III (SYCS 354)

SYCS 376: Operations Research (formerly Systems II)

Methodology for planning, analyzing and evaluating optimal systems: identifying and structuring objectives and defining performance requirements that influence the design of the system. Synthesizing and analyzing alternative solutions and applying optimization techniques for the optimum queuing system. Applications to real world systems with open and closed queues with emphasis on computer systems using microcomputer software packages.

Credits: 3

Prerequisites:

SYCS 375 Systems Engineering I (new name Software Engineering)

SYCS 379: Introduction to Human Computer Interaction

Students will learn the fundamental concepts of human-computer interaction and user-centered design thinking, through working in teams on an interaction design project, supported by lectures, readings, and discussions. They will learn to evaluate and design usable and appropriate software based on psychological, social, and technical analysis. They will become familiar with the variety of design and evaluation methods used in interaction design, and will get experience with these methods in their project.

Credits: 3

Prerequisites:

Computer Science III

SYCS 390: Ethical and Social Impact of Computing

This course will present the foundations of ethics in the context of computing. The broader social impact of computing and technology in general will also be reviewed. Areas of specific focus will include technology and human values, costs and benefits of technology, the character of technological change, and the social context of work in computer science and information technology.

Credits: 3

SYCS 401: Operating Systems

This course will present the basic concepts of operating systems. Topics that will be examined include processes and interprocess communication/synchronization, virtual memory, program loading and linking system calls and system programs; interrupt handling, device and memory management, process scheduling, deadlock and the trade-offs in the design of large-scale multitasking operating systems.

Credits: 3

Prerequisites:

Software Engineering, and Computer Organization.

SYCS 402: Mobile Application Development

This course will introduce students to developing applications which target mobile devices. Students will be introduced to many issues unique to mobile applications, including synchronization, remote data access, security and sometimes-connected networks. They will research topics in these areas and develop a significant project which demonstrates their knowledge and understanding of these issues.

Credits: 3

Prerequisites:

Computer Science III

SYCS 410: Modeling and Simulation

Introduces the fundamentals of system design and modeling. Emphasizes advantages and limitations of various modeling techniques for different applications. Introduces probability distributions typical of queuing models and presents in-depth discussions and experiments with existing simulation packages.

Credits: 3

Prerequisites:

Systems Engineering I (Software Engineering new course name), Probability and Statistics

SYCS 421: Computer and Video Game Development

The course will span the software domains embedded in computer and video games. Topics such as game computational infrastructure, design, engines, and motion will be presented through discussion and assignments. Game industry guest speakers will discuss software challenges and opportunities. Students completing this course will understand the software development process required to create a successful game and possess the programming expertise to create a simple game.

Credits: 3

Prerequisites:

Computer Science III, Systems Engineering I (new name Software Engineering)

SYCS 422: Game Engine Programming

Game engine programming is introduced as a critical element in compelling game creation. Programming activity will feature input capture, world integration, object motion, collision detection and audio scoring. Game performance metrics, code optimization and quality assurance testing procedures will be emphasized. Code examples will be presented from XNA game studio and Torque. Course game project may be completed using a 2D or 3D game engine of choice including Torque, Gamestudio, Panda3D, or OGRE 3D rendering engine.

Credits: 3

Prerequisites:

Computer and Video Game Development.

SYCS 432: Database Systems

This course will present the basic concepts of database systems. Topics that will be covered include basic relational database theory, relational database modeling, relational database design and implementation, normalization, transaction management, the SQL language and other languages and facilities provided by database management systems.

Credits: 3

Prerequisites:

Computer Science III.

SYCS 440: Object-Oriented Programming

Introduces the fundamentals of object-oriented information system development with a focus on analysis and design phases. Data modeling and design principles such as data abstraction, information hiding, modularity, and coupling are viewed in the context of object-oriented paradigm. For object-oriented modeling Unified Modeling Language (UML) is introduced and used extensively throughout the course. Issues relating to making the transition from other software development methodologies are examined and risks involved in object-oriented process are discussed.

Credits: 3

Prerequisites:

Computer Science III

SYCS 450: Data Communications and Network Programming

This is an introductory course on computer networking. It will cover the layering model of the Internet. The upper four layers (application, transport, network and data link) will be discussed in details with dominant networking protocols and algorithms introduced. Students will also learn how to do basic programming on the Internet.

Credits: 3

Prerequisites:

Computer Science III, Computer Organization, Analysis of Algorithms (new name Fundamentals of Algorithms), Discrete Structures

SYCS 451: Applied Wireless Networking

From both the conceptual and practical standpoints, this course will present the basics of wireless networking. Topics that will be examined include the connection between wireless networks and the Internet, radio signal transmission fundamentals, wireless LAN/WAN industrial stands, and wireless network administration such as network design, installation, configuration, maintenance and trouble shooting.

Credits: 3

Prerequisites:

Data Communications

SYCS 453: Intro to Cybersecurity I

This course introduces the basic concepts of cryptography. Various cipher systems are presented including transposition and substitution systems, Block ciphers, RSA & Knapsack. Methods used to attack ciphers are discussed with emphasis on complexity. Case studies of use of cryptographic methods in communication systems are presented with some consideration given to privacy issues.

Credits: 3

SYCS 454: Intro to Cybersecurity II

Modern topics in computer security, including: protection, access control, operating systems security, network security, database security, applied cryptography, cryptographic protocols, secure programming practices, safe languages, mobile code, malware, privacy and anonymity, and case studies from real-world systems.

Credits: 3

SYCS 460: Advanced Systems Administration

Advanced system administration course provides a strong practical experience to Linux and Solaris operating systems. The course includes topics such as Samba (Windows file and print sharing), Email, Web serving with Apache, remote access, networking setup, Internet proxy services, fire wall and security administration, deploy LDAP in a Linux, Solaris and windows environment and also compile, configure and patch a Kernel module.

Credits: 3

Prerequisites:

Data Communications, Unix Lab

SYCS 470: Fundamentals of Algorithms

Techniques for designing efficient algorithms, analyzing their complexity and applying these algorithms to a broad range of application settings. Methods for recognizing and dealing with hard problems are studied.

Credits: 3

Prerequisites:

SYCS 354: Computer Science III, MATH 189: Probability and Statistics

SYCS 472: Systems Management Analysis

This course presents methodology for large-scale system design and analysis using modern semantic analysis techniques. Identification and definition of large-scale (community/industrial-based) problems. Discusses how to select and quantify measures of the severity of the problem. Presents different techniques for modeling alternative solutions to problems.

Credits: 3

Prerequisites:

Systems Engineering I (Software Engineering new course name).

SYCS 474: Computational Biology

Introduces computational methods for understanding biological systems at the molecular level. Problem areas such as mapping and sequencing, sequence analysis, structure prediction, phylogenetic inference, regulatory analysis. Techniques such as dynamic programming, Markov models, expectation-maximization, local search.

Credits: 3

SYCS 475: Intro to Machine Learning

Techniques for learning from data and applying these algorithms to application settings. Topics covered include Bayesian methods, linear classifiers such as the perceptron, regression, and non-parametric methods such as k-nearest neighbors.

Credits: 3

SYCS 478: Engineering Economic System Design

Presents methodology for system design. Methodology begins with identification and definition of private sector problems to which solutions are justified by economics. Discusses selection of appropriate economic measures for comparing alternative solutions such as present worth, equivalent annual cost, cost/benefit ratio, life cycle cost, return on investment payback period. Presents different techniques for modeling alternative solutions to the problems and predicting cost. Other topics discussed include decision-making, system implementation, operations and retirement.

Credits: 3

Prerequisites:

Systems Engineering II (new name Operations Research).

SYCS 480: Digital Media and Multimedia Applications

This course provides an introduction to digital media fundamentals including audio, video formats, storage and delivery. Windows Media and other technology will be extensively utilized as a method for digital content manipulation, rights management and internet transfer. Students will be exposed to basic internet architecture, operations and useful world wide web (WWW) resources. In addition, a practical understanding of digital computational devices, communication ports and connection cables will be acquired.

Credits: 3

Prerequisites:

Junior Standing.

SYCS 491: Senior Project I

Allows the senior student the opportunity to demonstrate his or her knowledge of systems engineering and computer science principles by application to a class project of his or her choosing, with the guidance and supervision of a faculty member. The student develops a proposal for the project, followed by an architectural design and detailed design, all of which must be presented in class.

Credits: 2

Prerequisites:

Systems Engineering I (Software Engineering new course name), Computer Organization.

SYCS 492: Senior Project II

In part two, the senior student develops and implements the system solution to the proposed project. The system, most commonly comprising computer software, hardware, procedures, etc., is implemented and tested in the department's Systems Development Laboratory. The student is required to demonstrate the system solution to the faculty and the student body of the department.

Credits: 2

Prerequisites:

Senior Project I.

SYCS 493: The Lean LaunchPad: Technology Entrepreneurship and Lean Startups

This course provides real world, hands-on learning on what it's like to actually start a high-tech company. This class is not about how to write a business plan. It's not an exercise on how smart you are in a classroom, or how well you use the research library to size markets. And the end result is not a Power Point slide deck for a VC presentation. And it is most definitely not an incubator where you come to build the—hot-idea that you have in mind. This is a practical class—essentially a lab, not a theory or—book class. Our goal, within the constraints of a class room and a limited amount of time, is to create an entrepreneurial experience for you with all of the pressures and demands of the real world in an early stage startup. You will be getting your hands dirty talking to customers, partners, competitors, as you encounter the chaos and uncertainty of how a startup actually works. You'll work in teams learning how to turn a great idea into a great company. You'll learn how to use a business model to brainstorm each part of a company and customer development to get out of the classroom to see whether any one other than you would want/use your product. Finally, based on the customer and market feedback you gathered, you would use agile development to rapidly iterate your product to build something customers would actually use and buy. Each day will be new adventure outside the classroom as you test each part of your business model and then share the hard earned knowledge with the rest of the class.

Credits: 3

SYCS 498: Special Topics: Robotics Programming

This course will present the basic concepts of programming intelligent robot systems. Topics that will be examined include a general introduction to robotics hardware, a survey of actuators and how to use them and programming sensors. Higher level concepts that will be covered include multi-robot communication, robot localization and path planning. Most topics covered in the course will have an associated project implemented with the Lego Mindstorms NXT kit.

Credits: 3

Prerequisites:

Computer Science or Scientific Computing for Engineers or (some prior programming experience), Calculus I.

Hospitality Management

HOSP

HOSP 300: Introduction to the Hospitality Industry

A survey of the history, direction, and organizational structure of the hospitality industry and the place of the hotel, motel, and restaurant in the local and national economy.

Credits: 3

HOSP 301: Hotel/Motel/Restaurant Management

Application of management tools, techniques and concepts to hotels, motels, restaurants, resorts, clubs and their various departments

Credits: 3

Prerequisites:

MGMT 301 and FINA 311.

HOSP 303: Food Service Management

Involves the basics of commercial food preparation, product identification, menu planning, sanitation, scheduling, staffing, and merchandising

Credits: 3

Prerequisites:

ACCT 201, MGMT 301, and HOSP 301.

HOSP 305: Hospitality Financial Management

Emphasizes the financial practices and systems used in hotels, motels, and restaurants. Involves the interpretation of financial statements, cash forecasting, taxes, and cash flow analysis

Credits: 3

Prerequisites:

HOSP 301.

HOSP 307: Lodging/Property Management

Deals with the management of hospitality property in terms of its physical aspects, capital investment, layout and designs, building renovation, maintenance of facilities and equipment, and building systems.

Credits: 3

Prerequisites:

HOSP 301.

HOSP 309: Hotel and Restaurant Law

Examines the legal dimensions of hotels, motels, restaurants, resorts, and associated businesses, including the duties, rights and liabilities of the innkeeper-host and guests

Credits: 3

Prerequisites:

HOSP 300 and BLAW 305.

HOSP 311: Hospitality Marketing

Deals with the development, use and evaluation of effective merchandising, advertising and public relations techniques in the hospitality industry.

Credits: 3

Prerequisites:

HOSP 300 and MKTG 311.

HOSP 312: Club/Institutional Management

Treats the overall operation of private clubs, including food service, private group arrangements, recreational facilities, staffing, etc.

Credits: 3

Prerequisites:

HOSP 301.

HOSP 313: Management of Tourism

Deals with the travel industry and operations of enterprises in the industry. Highlights trends, travel modes, economic impact on destination areas, tourism development, and marketing.

Credits: 3

Prerequisites:

HOSP 301.

HOSP 315: Food, Beverage, and Labor Cost Controls

Examines forecasting, selecting purveyors, ordering, receiving, storing, merchandising, controlling inventory, and issuing. Labor, preparation, pre-control methods, comparison of actual and standard costs, scope of the menu, and customers' expectations are also discussed.

Credits: 3

Prerequisites:

HOSP 300

HOSP 317: Convention/Meeting Planning

Organizing and operating conventions, trade shows, concessions, and recreational facilities. Emphasis on sales methods, booking, and the administrative aspects of operations.

Credits: 3

Prerequisites:

HOSP 300.

Finance

FINA

COURSE DESCRIPTIONS

FINA 100: Cooperative Program I

Offers career-related training consistent with student's interest.

Credits: 1

FINA 200: Cooperative Program II

Continuation of FINA 100, with additional responsibilities to enhance career development.

Credits: 1

FINA 210: Personal Money Management

This course is designed to give students exposure to personal financial-making decisions. The course is open only to non-business majors. The objectives are to give students information in the following areas: credit issues, banking, taxes, record keeping, real estate, insurance, savings and investments, estate planning, retirement, and employee benefits. Non- Business majors only.

Credits: 3

FINA 300: Cooperative Program III

A comprehensive phase of assignments consistent with student's career objective.

Credits: 2

FINA 311: Finance Principles

An introduction to the general principles of business finance

Credits: 3

Prerequisites:

ACCT 202, ECON 001 and ECON 002. Course designed for non-finance majors.

FINA 312: Business Finance

The Finance function in business with emphasis on valuation and working capital management

Credits: 3

Prerequisites:

ECON 001, ECON 002 and ACCT 202.

FINA 313: Financial Management

An analysis of the major parameters in the financial decision-making process with an emphasis on long-term financing.

Credits: 3

Prerequisites:

FINA 311 or FINA 312.

FINA 320: Principles of Personal Financial Planning

A comprehensive analysis of the personal financial planning process as it relates to planning the total financial and estate affairs of individuals and families.

Credits: 3

Prerequisites:

FINA 311 or FINA 312.

FINA 322: Financial Markets and Institutions

An analysis of financial markets and their impact on the creation, operation, and public regulation of financial institutions.

Credits: 3

Prerequisites:

FINA 311 or FINA 312.

FINA 323: Commercial Banking

The study of commercial banking as a profit-seeking enterprise. The course also focuses on loan policy, credit documentation, investigation, analysis, and decision making.

Credits: 3

Prerequisites:

FINA 311.

FINA 330: Principles of Investments

The study of conceptual foundations and the practical pursuit of investment objectives.

Credits: 3

Prerequisites:

FINA 311 or FINA 312.

FINA 331: Investment Analysis and Portfolio Management

The development and application of Modern Portfolio theory. A comparison of investment alternatives

Credits: 3

Prerequisites:

FINA 330.

FINA 357: Independent Study in Finance I.

A specialized finance project or preparation for professional finance examinations.

Credits: 1-3

Prerequisites:

FINA 313.

FINA 358: Independent Study in Finance II.

A specialized research into finance problems or preparation for professional finance examinations.

Credits: 1-3

Prerequisites:

FINA 357.

FINA 360: Seminar in Finance

Readings, research, and the discussion of advanced finance topics

Credits: 3

Prerequisites:

FINA 313 and permission of the instructor.

FINA 361: Bank Credit Administration

Covers loan policy, credit documentation, investigation, and analysis.

Credits: 3

Prerequisites:

FINA 311 or FINA 312.

FINA 363: Computer Application of Financial Analysis

An introductory course in computer application to business and financial decision-making

Credits: 3

Prerequisites:

FINA 311 or FINA 312.

FINA 364: Investment Banking

An analysis of the issues and operations of investment banking. Topics include fixed income securities, mergers and acquisitions, IPO's, seasoned issues, venture capital, ethics, trading, financial engineering, etc

Credits: 3

Prerequisites:

FINA 313.

FINA 365: Financial Derivatives.

An in-depth analysis of options, futures, and other derivatives

Credits: 3

Prerequisites:

FINA 313 and FINA 330.

FINA 370: Bond Markets: Analysis and Strategies

An in-depth analysis of fixed-income securities. Topics include: measuring yields, bond price volatility (duration and convexity); the term structure of interest rates; non-U.S. bonds; treasury and agency securities markets; corporate and municipal debt instruments; convertible bonds; collateralized mortgage obligations; mortgage-backed securities; other asset-back securities; interest rates; futures, options, swaps and agreements. Also includes bond portfolio management strategies.

Credits: 3

Prerequisites:

FINA 313.

FINA 371: Venture Capital

A review of the overall process of venture capital from both the venture capitalist's perspective and the entrepreneur's perspective. The role of venture capital in both the U.S. economy and developing economies is discussed. A complete overview of the venture capital process is provided, including the proposal, the commitment letter, the closing, and the exit. Focus will be on the organization and management of a venture capital firm. The instructional method used in this course will be both lecture and case analysis.

Credits: 3

Prerequisites:

FINA 311.

FINA 380: Business Finance Policy and Decision Making

The case method is used to identify, analyze, and make decisions concerning business problems that have financial implications.

Credits: 3

Prerequisites:

FINA 313.

Insurance

INSU

INSU 320: Introductory Actuarial Mathematics

An introduction to the basic mathematical concepts used in evaluating life insurance and pension benefits, including compound interest theory, mortality tables, and multiple decrement tables.

Credits: 3

INSU 350: Risk and Insurance

Analyzes the nature of risk as it relates to personal, financial, and business decisions.

Credits: 3

INSU 351: Life and Health Insurance

Examines the economic principles, mathematical foundation, and legal framework underlying life insurance.

Credits: 3

Prerequisites:

INSU 350.

INSU 352: Property Liability Insurance

An analysis of the needs by business and individuals for property liability insurance, the nature of coverage available, and systems of rating, marketing, and underwriting.

Credits: 3

Prerequisites:

INSU 350.

INSU 353: Social Insurance

An examination of various federal and state programs of social and employment security, workmen's compensation, and other government insurance.

Credits: 3

Prerequisites:

Junior standing.

INSU 354: Risk Management

Identifies and evaluates loss exposures and develops risk control methods and financing techniques for exposures. The primary focus is on developing effective risk management alternatives.

Credits: 3

Prerequisites:

INSU 352.

INSU 355: Independent Study: Employee Benefit Plans

Comprehensive study of the principles underlying the design and operation of employee benefit plans. The various administrative funding techniques for providing these benefits are evaluated.

Credits: 3

Prerequisites:

INSU 351.

INSU 357: Practicum in Insurance I

Preparation for professional insurance examinations or a specialized insurance project.

Credits: 3

Prerequisites:

INSU 350.

INSU 358: Practicum in Insurance II

Preparation for professional insurance examinations and research into specialized insurance problems.

Credits: 3

Prerequisites:

INSU 357.

International Business

INBU

INBU 300: Principles of International Business

An introduction and overview of the various issues involved in doing business in more than one country, including the social, cultural, legal, and economic aspects.

Credits: 3

Prerequisites:

ECON 001, ECON 002, and junior standing.

INBU 320: International Marketing

Discusses issues involved in identifying and exploiting marketing opportunities abroad.

Credits: 3

Prerequisites:

MKTG 301.

INBU 340: International Financial Management

Analyzes the various issues involved in the acquisition and investment of funds in the international markets.

Credits: 3

Prerequisites:

FINA 311 or FINA 312.

INBU 357: Independent Study in International Business.

Involves a plan of directed readings, discussions, and research on specialized problems.

Credits: 1-3

Prerequisites:

permission of the instructor.

INBU 358: Independent Study in International Business.

Involves a plan of directed readings, discussions, and research on specialized problems.

Credits: 1-3

Prerequisites:

INBU 357.

INBU 360: Management of International Business

Primarily uses the case method to identify, analyze, and solve a variety of strategic issues faced by the international manager

Credits: 3

Prerequisites:

MGMT 301, INBU 300, INBU 320, INBU 340, and senior standing.

INBU 361: Export-Import Management

Includes international market research, shipments, arbitration, and financing.

Credits: 3

Prerequisites:

INBU 320.

INBU 365: International Manpower Management

Examines the quality, quantity, and cultural attributes of manpower available in various parts of the world.

Credits: 3

INBU 390: Seminar in International Business

Involves an international (or multinational) company study

Credits: 3

Prerequisites:

Senior standing or permission of instructor.

Computer Based Information Systems

INFO

COURSE DESCRIPTIONS

INFO 101: Cooperative Program I

Offers career-related training consistent with student's interest.

Credits: 2

INFO 102: Cooperative Program II

Continuation of INFO 101 with additional responsibilities to enhance career development.

Credits: 2

INFO 202: Computer Introduction

The course is an introduction to the elementary and fundamental concepts of modern information systems. The course provides hands-on experience with the application of software packages commonly used by knowledge workers. Students will develop small applications using Internet tools, databases, spreadsheets, word processing and presentation graphics, and also integrate these applications.

Credits: 1

INFO 204: Management Information Systems

The course provides a broad foundation in the concept of modern information systems, including information processing and information technologies in the corporate and organizational environments. Topics include strategic information systems, computer hardware and software, user-interface, data communications, and data management. The emphasis is on problem solving through the use of information systems tools to develop solutions for real-life cases of limited complexity.

Credits: 3

Prerequisites:

or co-requisite: INFO 202.

INFO 210: Introduction to Software Design

The course provides an introduction to software engineering, algorithm development and structured problem solving, coding, testing, and debugging techniques. The major emphasis is on programming logic. Small illustrative applications are developed using a high level programming language. (Formerly INFO 320)

Credits: 3

Prerequisites:

INFO 204.

INFO 300: Structured COBOL Programming I

The course involves the use of structured COBOL programming to solve a set of common business problems including data validation, multilevel control break processing, sequential update, the internal sort, and tables.

Credits: 3

Prerequisites:

INFO 204, INFO 210.

INFO 302: Introduction to C Language Programming

The concept of Structured programming is emphasized. Functions and program structure: primitive data types, pointers, arrays, structures and unions: control flow, input, output, system calls and function arguments: types, operators and expressions are addressed. The C++ Programming Language is introduced.

Credits: 3

Prerequisites:

INFO 204, INFO 210.

INFO 304: Visual Basic

The course provides an introduction to Object Oriented Programming. The student will be exposed to a style of programming especially suited for graphical user interfaces. Students will learn Visual Basic concepts like projects forms, controls/objects, properties and events combined with coding concepts like subprograms, functions, arrays, logic structures and different Input-Output processes to create Object-Oriented, Event-Driven programs. This course will provide a higher level of programming and problem-solving skills with particular emphasis on some of the more advanced topics in Object-Oriented programming.

Credits: 3

Prerequisites:

INFO 204 and INFO 210.

INFO 305: Structured COBOL Programming II

Cobol Programming II is designed to develop advanced programming skills and techniques. Students will write High-Level COBOL programs that involve single and advanced level arrays and tables and multiple level control break processing. Students will develop and work with file maintenance programs that include file sorting and merging and sequential, indexed, and relative file processing. Advanced topics in COBOL II include the COPY and CALL statements, advanced debugging aides, the improvement of program performance, and the Report Write Module. The application of VSAM (ESDS, KSDS, RRDS) file processing, the IBM/MVS/ESA/TSO/ISPF environment for editing and managing data sets, and IBM JCL and IBM CICS/MRO are discussed and applied for batch and interactive processing. Students will apply these advanced concepts and techniques to design and develop challenging, real-world applications including subprograms, array and file sorting, advanced array structures, VSAM (ESDS, KSDS, RRDS) file processing, and the IBM/MVS/ESA/TSO/ISPF environment for editing and managing data sets. IBM job control language is used for compiling, linking, and executing batch applications and IBM-CICS/MRO is introduced for interactive applications.

Credits: 3

Prerequisites:

INFO 300.

INFO 307: Visual C++

This is a natural extension of the structured programming introduced in INFO 210. It moves into C++ quickly and to Visual C++. A thorough foundation of the C++ language is presented. Programs are written in both DOS and Windows platforms. The course uses the Microsoft Integrated Developer's Environment as the development studio. Object-oriented Programming is emphasized as the paradigm for resolving issues of program complexity, software reusability, and program portability. Team study and solution design are the foci of instruction

Credits: 3

Prerequisites:

INFO 210.

INFO 310: Data Analysis

This course assumes fundamental knowledge of basic statistics through hypothesis testing with simple linear regression analysis or analysis of variance. The topics in this course include multiple regression analysis, analysis of variance, design of experiments, and time series. This course is aimed at the knowledgeable business student seeking a deeper understanding of statistical epistemology and decision-making. Experimentation with data bases using statistical software packages such as MINITAB, SAS, or SPSS is the implementation strategy of the course

Credits: 3

Prerequisites:

INFO 204, INFO 210, and Economics ECON 180.

INFO 311: Quantitative Business Analysis

In this course students develop the ability to model and analyze a variety of business related decision situations. This course emphasizes the use of spreadsheets in the modeling process. Classical Management Science and operations research techniques are used to develop insight into the optimization of decision-making

Credits: 3

Prerequisites:

MATH 010, MATH 026, ECON 180, INFO 204.

INFO 315: Advanced Personal Computer and Workstation Concepts

This course provides in-depth exposure to the hardware and software components of personal computers and workstations, computer configurations, LAN design, and documentation and implementation. The course also includes laboratory exercises that focus on DOS features, similarities between DOS and Unix, and TCP/IP protocols. Suggested Coreq.: INFO 360 or permission of the instructor.

Credits: 3

INFO 325: Introduction to Data and Network Communications

This course provides a comprehensive study of the communication hardware and software and the regulations required to deliver information from a source through a medium to a destination. Digital, analog, security, network, and network management requirements for data communication are introduced and implemented using software simulations.

Credits: 3

Prerequisites:

INFO 360 or consent of instructor.

INFO 330: Data Base Management

This course is an overview of the database approach and database management systems (DBMS). Topics include physical, conceptual, and external views of data; logical and physical data structures; referential integrity, data definition; and data manipulation languages. The course also covers the enterprise data model, the hierarchical data model, security and concurrency control, and client server computing.

Credits: 3

Prerequisites:

INFO 360.

INFO 335: Production and Operations Management

The course involves the study of production and service operations from a systems perspective. The course emphasizes problem formulation, analysis of models necessary for system design and system operation, and the interaction between production and operation management activities and other activities of an organization. Global strategic and competitive issues are discussed. The course uses decision support systems software as appropriate

Credits: 3

Prerequisites:

INFO 311, MGMT 301.

INFO 360: Information Structures

The course examines various data structures, data types, and the search techniques required to develop or enhance a traditional or webcentric computer based information system. Using structured languages, a repertoire of algorithms and procedures are developed to solve business applications that encompass man/machine interfaces, efficient information storage, retrieval and sorting, and system simulation. Topics include stacks, parsing, single and double link lists, static and dynamic queues, and webcentric information structures.

Credits: 3

Prerequisites:

any course in a Programming Language.

INFO 361: Operating Systems

The course examines the components and features of operating systems, such as the nucleus, memory and second storage management, file management, I/O devices, and user interfaces. UNIX system calls, shells, software development utilities, and the X Window System are emphasized. Operating systems concepts are simulated using the C Programming Language.

Credits: 3

Prerequisites:

INFO 360.

INFO 365: Simulation and Information Systems

The course features the identification of factors that influence business behaviors with the ultimate objective of building models to describe the behavior of a situation over a period of time using a computer simulation language. Probability distributions and problems relating to management are revisited to make the course more realistic and practical

Credits: 3

Prerequisites:

INFO 360 and MGMT 330.

INFO 370: Systems Analysis and Design

The course involves a systemic approach to analysis and the design of contemporary business information systems. Topics include systems development, life cycle phases and activities, systems analysis techniques, systems design techniques, and detail program design and implementation.

Credits: 3

Prerequisites:

any course in a Programming Language.

INFO 375: Seminar in Computer-Based Management Information Systems

In this course, the student investigates and reports on special topics in information systems development.

Credits: 3

Prerequisites:

Junior or senior standing.

INFO 380: Decision Support and Expert Systems

The course is an introduction to Decision Support Systems and Expert Systems with a brief overview of other Artificial Intelligence Technologies. Integrates theoretical concepts with a review of practical application cases and the current literature in the field. Student teams build Expert Systems prototypes and produce written project reports. Class presentations of projects are required.

Credits: 3

Prerequisites:

INFO 311 or junior standing and permission of the instructor.

INFO 390: Systems Development

This course focuses on the development of an application system. Student teams will develop projects that involve all phases of the systems development life cycle. Issues such as project management, systems development methodologies, and systems testing are addressed. Each student is required to produce a research report that focuses on new technologies and methodologies that relate to information systems development.

Credits: 3

Prerequisites:

INFO 370 or senior standing and permission of the instructor.

INFO 398: Information Systems Consulting

Credits: 3

Accounting

ACCT

COURSE DESCRIPTIONS

ACCT 100: Cooperative Program I

Offers career-related training consistent with the student's interest.

Credits: 1

ACCT 200: Cooperative Program II

Continuation of ACCT 100, with additional responsibilities to enhance career development.

Credits: 1

ACCT 201: Accounting Principles I

Basic concepts of financial accounting theory, recording procedures, and financial statement preparation.

Credits: 3

ACCT 202: Accounting Principles II

Continuation of ACCT 201, including interpretation of financial data, cost accounting systems, and aids to managerial decisions.

Credits: 3

Prerequisites:

ACCT 201.

ACCT 300: Cooperative Program III

Continuation of ACCT 200, with additional responsibilities to enhance career development.

Credits: 1

ACCT 310: Intermediate Accounting I

Overview of the foundations of accounting theory, contemporary practices in accounting, and the application of professional standards to financial reporting

Credits: 3

Prerequisites:

ACCT 201, ACCT 202, junior standing, and a minimum cumulative grade point average of 2.5.

ACCT 311: Intermediate Accounting II

Continuation of ACCT 310. Includes techniques used in the analysis of earnings, cash flow, and changes in financial position.

Credits: 3

Prerequisites:

ACCT 310 and junior standing.

ACCT 318: Tax Principles and Procedures

Covers the basic concepts of federal income tax determination and current reporting requirements

Credits: 3

Prerequisites:

ACCT 201, ACCT 202, and junior standing.

ACCT 320: Cost Accounting I

Includes job order, process, standard, and variable costing and the analysis of cost behavior

Credits: 3

Prerequisites:

ACCT 201, ACCT 202, and junior standing.

ACCT 322: Cost Accounting II

Approaches to management decisions using sophisticated cost-based analytical techniques

Credits: 3

Prerequisites:

ACCT 320.

ACCT 330: Advanced Accounting

Covers branch operations, business combinations, consolidated statements, foreign operations, partnerships, governmental accounting, and current trends in financial reporting

Credits: 3

Prerequisites:

ACCT 310 and ACCT 311 or their equivalents.

ACCT 340: Auditing I

Deals with the application of GAAP and auditing standards to financial and operational auditing procedures.

Credits: 3

Prerequisites:

ACCT 311 or its equivalent.

ACCT 341: Auditing II

Continuation of ACCT 340.

Credits: 3

ACCT 342: Global Accounting, Control, and Audit

Operational auditing and information integrity in the context of International Standards.

Credits: 3

Prerequisites:

ACCT 340.

ACCT 343: Ethics, Values and Governance

Explores the moral and ethical obligations of leadership and encourages students to think critically about the ethical situations that they are likely to encounter in their professional and personal lives. (Formerly BLAW 343).

Credits: 3

ACCT 350: Accounting Information Systems

Examines the development and use of management information systems based on accounting data bases

Credits: 3

Prerequisites:

ACCT 202 and INFO 204.

ACCT 360: Fund Accounting

Involves basic fund accounting and reporting for governmental units, agencies, universities, hospitals, and nonprofit entities

Credits: 3

Prerequisites:

ACCT 201, ACCT 202, and junior standing.

ACCT 362: International Accounting

Conceptual and practical applications of accounting are investigated from a global perspective.

Credits: 3

ACCT 370: Controllership

Study of contemporary practices in planning, organizing, and supervising the accounting and financial reporting function

Credits: 3

Prerequisites:

ACCT 310 and ACCT 311.

ACCT 375: International Accounting

A discussion of the financial factors faced by corporations with international operations such as complex accounting methods for foreign operations, accounting for foreign currency and inflation, international analysis of financial statements and international harmonization.

Credits: 3

ACCT 380: CPA Examination Preparation I

Intensive study of accounting practice and theory sections of prior CPA examinations.

Credits: 3

Prerequisites:

Consent of instructor.

ACCT 382: CPA Examination Preparation II

Companion course to ACCT 380.

Credits: 3

ACCT 385: Independent Study: Forensic Accounting

This course explores the forensic accountant's role in today's economy. Topics covered include fraud detection and fraud investigation techniques, valuation of closely held businesses, lost profits analyses, and various types of litigation support services.

Credits: 3

ACCT 392: Advanced Income Tax

Study of federal income tax laws and regulations, with emphasis on partnerships, corporations, estates, and trusts.

Credits: 3

Prerequisites:

ACCT 201, ACCT 202, and ACCT 318.

Management

MGMT

COURSE DESCRIPTIONS

MGMT 001: Business Orientation

Prepares students to meet the challenges of Howard University, the School of Business, and the corporate world. Develops an atmosphere of “community” among the students within the School.

Credits: 1

MGMT 002: Career Counseling in Business

Assists students in identifying career opportunities that reflect their interests and aptitudes.

Credits: 1

Prerequisites:

MGMT 001.

MGMT 020: Freshman Honors Seminar I

Focuses on topics related to participation in the Honors Program.

Credits: 1

MGMT 021: Freshman Honors Seminar II

A continuation of MGMT 020. Focuses on topics related to participation in the Honors Program.

Credits: 1

MGMT 022: Sophomore Honors Seminar I

Focuses on topics related to participation in the Honors Program.

Credits: 1

MGMT 023: Sophomore Honors Seminar II

A continuation of MGMT 022. Focuses on topics related to participation in the Honors Program.

Credits: 1

MGMT 024: Junior Honors Seminar I

Focuses on topics related to participation in the Honors Program.

Credits: 1

MGMT 025: Junior Honors Seminar II

A continuation of MGMT 024. Focuses on topics related to participation in the Honors Program.

Credits: 1

MGMT 026: Senior Honors Seminar I

Focuses on topics related to participation in the Honors Program.

Credits: 1

MGMT 100: Cooperative Program I

Offers career-related training consistent with student's interest.

Credits: 2

MGMT 200: Cooperative Program II

Continuation of MGMT 100, with additional responsibilities to enhance career development.

Credits: 2

MGMT 300: Cooperative Program III

A comprehensive assignment, consistent with student's career objective.

Credits: 2

MGMT 301: Management and Organizational Behavior (formerly Principles of Management)

Analyzes the principles of planning, organizing, directing, coordinating, and controlling within organizations

Credits: 3

Prerequisites:

ECON 001, ECON 002, and junior standing.

MGMT 302: Advanced Organizational Behavior

Examines behavior in organizations and its interacting relationships.

Credits: 3

Prerequisites:

MGMT 301.

MGMT 303: Human Resources Management

Examines the policies, theories, and practices of human resources management.

Credits: 3

Prerequisites:

MGMT 301. Spring semester only.

MGMT 304: Labor Management Relations

Deals with labor management relations in different organizations.

Credits: 3

Prerequisites:

MGMT 303.

MGMT 305: Organization Theory

Covers the theories, structural analysis, and development of organizations.

Credits: 3

Prerequisites:

MGMT 301.

MGMT 331: Decision-Making

Examines the theory and application of tools, techniques, and concepts in decision-making in case situations in business

Credits: 3

Prerequisites:

ECON 180, FINA 311, MGMT 301, MKTG 311. Fall semester only.

MGMT 340: Management Development

Deals with concepts, methods, and practices used to develop top, middle, and supervisory-management personnel in various organizations.

Credits: 3

Prerequisites:

MGMT 301.

MGMT 350: Management of Small Business

Focuses on the management problems and the environment of operation of small businesses.

Credits: 3

Prerequisites:

MGMT 301.

MGMT 351: Entrepreneurship

Examines the issues involved in embarking on new ventures

Credits: 3

Prerequisites:

Finance FINA 311, MGMT 301, MKTG 311.

MGMT 352: Entrepreneurship (Non-Majors and Minors)

Students learn how to generate business ideas; create a business plan, mission and vision; and promote and market a company. Topics include exploring factors of business success and failure, core business concepts, economic systems, competition, production, and the global economy.

Credits: 3

MGMT 353: Entrepreneurial Marketing

This course clarifies key marketing concepts, methods, and strategic issues relevant for start-up and early-stage entrepreneurs.

Credits: 3

MGMT 355: New Venture Development

The role of the entrepreneur in starting up new businesses. Coursework includes identification of new venture opportunities and the evaluation of their feasibility.

Credits: 3

MGMT 360: Organizational Development

Provides students with the managerial tools and behavioral science concepts, strategies, and practices that are used in an ongoing organization to improve organizational competence, efficiency, and effectiveness.

Credits: 3

Prerequisites:

MGMT 301.

MGMT 370: Comparative Management

Focuses on managerial behaviors and practices and policies in cross-national environments. Provides a model for understanding individual cultural differences and the implications of such differences for organizational strategies, policies, and management behavior.

Credits: 3

Prerequisites:

MGMT 301.

MGMT 375: Corporate Culture

The course is designed to acquaint the student with the practical application of the skills he/she has acquired in business school. Students will become aware of both the "survival" skills necessary to maintain a viable business career and the "advancement" skills needed to accelerate recognition and promotion. In addition,, the course will provide the student with the perspective of a career businessperson: 1) the implications of politics and personalities; 2) the core competencies that must be mastered; 3) how corporate systems affect behavior; 4) the common mistakes that should be avoided; and 5) the need for personal strategies and action plans.

Credits: 3

MGMT 380: Seminar in Management

Involves selected readings, research, and presentations of selected topics in management.

Credits: 3

Prerequisites:

Senior standing. Spring semester only.

MGMT 385: Independent Study in Management

Consists of individual reading and research

Credits: 3

Prerequisites:

Graduating status and minimum cumulative grade point average of 3.0 or permission of the instructor.

MGMT 390: Business Policy

Deals with company-wide, long-term strategic decisions, issues of growth and development, and the preparation of case materials

Credits: 3

Prerequisites:

Graduating senior status in the final semester and completion of at least one course in each functional area.

Business Law

BLAW

BLAW 305: Business Law I

Examines the procedural aspects of the legal system as well as the substantive law of torts,, contracts, property, and negotiable instruments. Familiarizes students with the analytical and conceptual problem-solving techniques inherent in the legal process.

Credits: 3

Prerequisites:

Sophomore standing.

BLAW 306: Business Law II

Continuation of BLAW 305. Reviews the Uniform Commercial Code, including sales and documents of title. Familiarizes students with the law of agency, partnerships, corporations, and other forms of business organizations.

Credits: 3

Prerequisites:

BLAW 305.

BLAW 307: The Law and Business of Sports

Provides students with a basic understanding of business and legal issues in the world of sports. Examines contract negotiation, client solicitation, client management, NCAA rules and regulations, litigation and arbitration, case law, and statutes regarding sports agents.

Credits: 3

BLAW 355: Comparative International Law

Provides an understanding of the legal systems in countries that play a predominate role in international business.

Credits: 3

Marketing

MKTG

COURSE DESCRIPTIONS

MKTG 100: Cooperative Program I

Offers career-related training consistent with student's interest.

Credits: 3

Prerequisites:

MKTG 301, graduating status, and a marketing cumulative grade point average of at least 3.0, and chair's permission.

MKTG 200: Cooperative Program II

Continuation of MKTG 100, with additional responsibilities to enhance career development.

Credits: 3

MKTG 300: Cooperative Program III

Comprehensive phase of assignment, consistent with student's career objectives.

Credits: 3

MKTG 301: Principles of Marketing

People often think that marketing is just sales or advertising — highly visible activities by which organizations try to persuade customers to buy products and services. However, marketing is much more than sales or advertising. Even the most skillful marketer cannot make customers buy things they don't need or want. Marketing specifically involves: (1) identifying customer needs, (2) satisfying these needs with the right product and/or service, (3) assuring availability to customers through convenient distribution channels, (4) using communication media to build awareness and motivate purchase, and (5) choosing an appropriate price to boost the firm's profitability while also maintaining customer satisfaction. This course introduces students to the concepts, analyses, and activities that comprise marketing management, and provides practice in assessing and solving marketing problems. The course is also a foundation for advanced electives in marketing as well as other business/social science disciplines

Credits: 3

Prerequisites:

Applied Calculus (MATH 026) *or* Calculus I (MATH 156), Principles of Economics I (ECON 001), Principles of Economics II (ECON 002), *and* Accounting Principles II (ACCT 202); Junior Standing.

MKTG 310: Consumer Behavior

Focuses on the individual and environmental factors that influence consumer behavior and decision-making of individuals and organizations. The course surveys various concepts, theories, and analytical frameworks to explain and analyze consumer purchase decisions and draws practical implications for marketing strategies.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 315: Marketing Research

This course takes students from the point of recognizing a marketing problem to solving the problem through appropriate problem definition, data collection, data analysis, dissemination of the results, and utilization of the ensuing information. Both the managerial and technical aspects of marketing research are covered. Several statistical techniques for analyzing data, using SPSS, are taught and applied in the course.

Credits: 3

Prerequisites:

ECON 180 and MKTG 301.

MKTG 319: Sales Management

Would you like to improve your persuasion skills? Would you like to know what makes successful salespeople effective? What about learning to partner with others to create value in your service and/or product. This course demystifies professional selling and helps students improve their persuasion and selling effectiveness. The course presents sales principals and skills required by today's professional salespeople with an emphasis on the business to business selling environment. Students will enhance their development of a variety of skills that will serve for a lifetime. These lifetime skills include the following: communication skills, critical thinking, building relationships with customers, and ethical decision making.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 320: Marketing Communications

This course provides an introduction to basic concepts used in Integrated Marketing Communications. Students will examine the role of marketing communication, the environment in which it operates, and the process by which the strategy for it is created. The course emphasis will be on the development and application of promotional communication strategies utilizing advertising, personal selling, event marketing, sponsorship, and public relations

Credits: 3

Prerequisites:

MKTG 301.

MKTG 324: Personal Selling

Focuses on understanding and developing the oral communication skills necessary for success in the sales arena. These skills are eminently transferable to other situations including promoting yourself and your ideas within the corporate environment. Relies heavily on experiential learning, such as in-class exercises and role playing. Open to students of any major including non-business majors, with junior standing and permission of the instructor.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 328: Advertising

Examines the role of advertising in marketing, the legal and social environment in which it operates, and the process by which it is created and managed. Utilizes cases to develop the ability to formulate advertising strategy and devises an advertising campaign, including the creation of advertisements. Topics covered include setting advertising objectives and budgets, creative strategy, media strategy, advertising effectiveness, agency-client-media relations, and advertising regulation.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 330: New-Product Development

Examines the process by which new products are developed and introduced to markets. Utilizes cases to illustrate the steps in the new-product development process, creativity in the product-development process, idea-screening, concept testing, business analysis, prototype development, test-marketing, phased roll-outs, and commercialization.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 331: Social and Internet Marketing

As technologies continue to disrupt the marketplace, companies are under constant pressure to implement strategies to stay relevant, responsive, and profitable. Marketers who understand their customers' end-to-end journeys and experiences will be successful in developing a strategic digital roadmap that meets both their customers' expectations and their organization's business objectives. This course will teach you a proven framework for designing, implementing, and managing a successful social and internet marketing strategy.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 335: Film Industry Marketing

This project-based course is designed to walk students through the process that marketing professionals follow when creating advertising campaigns for films. Students will learn about the research process, create storyboards and select stills, and ultimately pitch their marketing plan to executives.

Credits: 3

Prerequisites:

MKTG 301; selection in Howard Entertainment.

MKTG 340: Pricing

Examines the theories underlying pricing, looks at pricing practices employed in the field of marketing, and evaluates the role of pricing in a company's marketing strategy. Topics covered include demand and supply analysis, price-quality relationships, consumer perceptions of prices, typical approaches to setting prices, competitive pricing, and ethical and legal aspects of pricing.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 345: The Economics of Film & Entertainment

The course provides an overview of the film industry. It will help establish a framework for understanding the unique dynamics of the film industry and the increasingly important role that technology is playing in its evolution. The course covers recent activities in the film industry, as well as concepts, frameworks, models, and analyze industry data that apply across the generate revenue in the film industry (i.e., licensing, sponsorships and promotion). We will also explore key trends that are influencing the evolution of businesses in these sectors including digitization, globalization, and audience fragmentation.

Credits: 3

Prerequisites:

MKTG 301; selection in Howard Entertainment.

MKTG 350: Channels of Distribution

Analyzes issues involved in designing, managing and evaluating a business' channel of distribution. Topics covered include the theory, structures, types and design of channels, intermediaries and their functions in a channel, and channel dynamics and their management.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 355: Retailing

Provides the student with an overview of the retailing industry and the key aspects involved in managing a retail operation. Topics covered include retail consumer behavior, trading-area analysis and retail site selection, the retail image, merchandising, and inventory planning and control, among others.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 361: Computer Applications in Marketing

Held in an interactive computer lab, the course gives students practical experience with software used by marketers. Students are exposed to a variety of applications such as desktop publishing, mapping software, spreadsheets, database managers, contact managers, web publishing, and graphic design.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 362: Marketing Analytics

This course introduces the principles and strategic concepts related to data-driven decision making. Students learn various analytics-based techniques including data mining, data visualization, sales and profit margin analysis, predictive analytics, digital marketing metrics, and e-commerce analytics, which can all inform the marketing strategy of a business. And to develop real-world tangible skills, students gain first-hand experience in analytics platforms such as Tableau & Google Analytics, while earning industry-relevant certifications.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 370: Services Marketing

This is a study of the marketing strategies practiced by both profit and non-profit organizations in the burgeoning service sector. Topics covered include the concept of a service offering, service blueprint, strategies for service organizations, measurement of service quality, and the role and management of contact personnel. The classroom instruction is focused on real world situations to adequately prepare students for the work force especially in developed economies.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 375: Industrial Marketing

Examines the marketing of goods and services to commercial enterprises, governments, and other organizations for use in the goods and services that they in turn produce or resell to their customers. Course will be taught primarily by the case-method

Credits: 3

Prerequisites:

MKTG 301.

MKTG 380: Sports Marketing

Marketing is a specialized marketing course that is designed to prepare students to develop skills necessary to address marketing issues specific to the sports industry. This course will analyze the field of sports in terms of the practices, applications, and strategy of mainstream marketing. The subject includes: Sponsorship, Endorsements, Licensing, Segmentation of the Sports Market, Promotional Strategy for the Marketing of Sports Products, and Emerging Issues in Sports Marketing. In addition, this class touches on the unique opportunities and challenges associated with marketing in the entertainment industry as an aggregate. To provide students with practical experience addressing sports and entertainment marketing issues, the class is organized around four projects.

Credits: 3

Prerequisites:

MKTG 301.

MKTG 385: Multi-Cultural Marketing

Examines the impact of cultural and ethnic factors on consumer behavior and marketing strategies. Special emphasis is given to major ethnic groups, including their culture, demographics, psychographics, media usage, and decision making. Practical implications for marketing in a multi-cultural environment are discussed

Credits: 3

Prerequisites:

MKTG 301.

MKTG 390: Special Topics in Marketing

So how exactly should The Coca-Cola Company deal with one of their fundamental brands being mentioned by Future and other artists as a part of "Dirty Sprite" culture? What are companies doing right or wrong relative to Black Lives Matter in their marketing campaigns? This course centers on how brands use culture to market products and interact with consumers. From the use of stereotypes in the early 1900s to the integration of hip-hop partnerships in the 2000s, there is a longstanding, complex history of African American culture being infused within marketing of major corporations. This course takes students through a curriculum interwoven with foundational principles of brand management, marketing research, consumer behavior, and marketing strategy, and directly applies these concepts to real-world cultural and corporate experiences.

Credits: 3

Prerequisites:

MKTG 301

MKTG 395: Independent Study in Marketing

An in-depth examination of a topic in marketing of particular interest to the student. Projects may include a literature survey, a company case-study, a research project involving data-collection and analysis, or a survey of a particular industry

Credits: 3

Prerequisites:

MKTG 301, graduating status, and a marketing cumulative grade point average of at least 3.0, and chair's permission.

MKTG 399: Marketing Planning and Strategy

This is a senior level capstone course in which students integrate and apply marketing knowledge and quantitative skills to solve marketing problems through case studies. Special emphasis is given to analysis of opportunities and competition and the development of successful marketing strategies and plans

Credits: 3

Prerequisites:

MKTG 301 and senior standing.

Communications

HUCO

HUCO 100: School of Communications Orientation. (Required)

Designed to familiarize students with majors offered by the School of Communications and the various professional opportunities usually associated with these majors. Students are administered the test in oral and written language to assess their skills with an eye toward improvement, if deficiencies are found. The course also focuses on listening and study skills, and on introducing students to the various student organizations in the School.

Credits: 0

HUCO 101: Principles of Speech

Development of effective oral skills in a variety of speech situations, familiarizing students with communicative processes and their effect on human interactions.

Credits: 3

HUCO 108: Communications Law

Treats legal aspects of the media with emphasis on libel, copyright, and FCC laws in advertising and retailing.

Credits: 3

HUCO 202: Communication Theory I

Survey of historical and contemporary theories of the communication process.

Credits: 3

Prerequisites:

HUCO 101. Fall semester only.

HUCO 203: Oral Interpretation

Discusses theory and practice in communicating orally the meaning in literature through analysis of form and content, along with techniques of reading aloud prose, poetry, and drama.

Credits: 3

Prerequisites:

HUCO 101.

HUCO 204: Introduction to Debate

Theory and practice in analysis, investigation, reasoning, briefmaking, refutation, and the argumentation process.

Credits: 3

Prerequisites:

HUCO 101.

HUCO 205: Advanced Debate: Mock Trial

Practicum. Participatory investigation and practice in courtroom debate, with advanced strategies and techniques of persuasion.

Credits: 3

Prerequisites:

HUCO 204 or permission of instructor.

HUCO 208: Forensics Practicum: Debate

Students who wish to practice competitive courtroom debate may enroll in this course.

Credits: 1

Prerequisites:

HUCO 205.

HUCO 209: Forensics Practicum: Individual Events

Students interested in participating competitively in informative, impromptu, extemporaneous, persuasive, after-dinner speeches, as well as oral interpretation of literature may enroll in this practicum.

Credits: 3

HUCO 213: Psychology of Persuasion

Theoretical and practical study of persuasive processes emphasizing psychological techniques in personal and mass communications.

Credits: 3

Prerequisites:

HUCO 101.

HUCO 242: Language Issues in Communication

Examines communication dynamics in relation to language as a framer and molder of message content.

Credits: 3

HUCO 307: Inter/Intrapersonal Communication

In-depth analysis of selected theories, contemporary research review, and participatory analysis of communication behavior. Fall semester only.

Credits: 3

Prerequisites:

HUCO 101.

HUCO 309: African American Rhetoric

Discusses traditional and contemporary African American rhetorical styles and strategies of communication, including an experiential learning environment in the field. Spring semester only.

Credits: 3

Prerequisites:

HUCO 101.

HUCO 319: Practicum: Human Communication Studies

Consists of supervised practical experience in a field situation.

Credits: 3

Prerequisites:

Junior or senior standing.

HUCO 320: Organizational Communication

The study of organizational communication as it occurs at the structural, small group, interpersonal and written levels.

Credits: 3

HUCO 401: History and Criticism of Public Address

Survey of the development of rhetoric and rhetorical theory from 400 BC to the present. Emphasis on public address. Spring semester only.

Credits: 3

Prerequisites:

HUCO 101.

HUCO 408: Communication Law II

Study of research methods in legal communication.

Credits: 3

HUCO 410: Negotiation and Conflict Resolution

Legal principles and practice in settling disputes through communication.

Credits: 3

HUCO 415: Intercultural/Interracial Communication

Considers the role that culture and race play in human communication. Fall semester only.

Credits: 3

HUCO 462: Effective Listening

Assesses the student's level of listening awareness and listening efficiency, distinguishes between hearing and listening, and emphasizes improvement of listening skills through knowledge and effort. The course focuses on receiving, interpreting, evaluating and responding as essential elements in the listening process.

Credits: 3

HUCO 463: Directed Study

Selected readings directed toward contemporary concerns in speech communications.

Credits: 3

Prerequisites:

Permission of instructor and department chairman.

HUCO 471: Advanced Public Speaking

Designed to provide the advanced undergraduate student with specific communication principles and skill necessary for effective public speaking in a variety of speaking occasions.

Credits: 3

Prerequisites:

HUCO 101.

Journalism

JOUR

JOUR 100: Multimedia Technology: Interactive Writing

Application of various software and hardware packages in the creation of Internet Web pages; discussion and methods regarding information design, the use of text, graphics, audio and video to tell a story, promote a cause or sell a product. Principles of entrepreneurship as applied to new media ventures.

Credits: 3

JOUR 201: Fundamentals of Journalism

Develops in the student a sense of news value; introduces basic news reporting techniques; develops news writing skills; familiarizes the student with journalism ethics and copy editing symbols

Credits: 3

Prerequisites:

ENGL 002 and ENGL 003 with a grade of C or higher.

JOUR 202: Reporting and Writing

Emphasizes actual writing and reporting under newsroom conditions; provides intensive experience in gathering and writing news under deadline pressure

Credits: 3

Prerequisites:

JOUR 201.

JOUR 203: Introduction to Public Relations

An overview of the principles, historical and contemporary practice of public relations in business, government, associations and other organizations; analysis of public relations programs; ethics of public relations practice and career opportunities.

Credits: 3

Prerequisites:

JOUR 201.

JOUR 204: Introduction to Broadcast News

An overview of the principles, historical and contemporary practice of broadcast journalism in society with emphasis on methods, terminology and techniques; writing, announcing, ethics and career opportunities.

Credits: 3

Prerequisites:

JOUR 201.

JOUR 206: Introduction to Advertising

An overview of the principles, historical and contemporary practice of advertising in society with emphasis on newspapers, broadcast and other media organizations; ethics and career opportunities.

Credits: 3

JOUR 301: Advanced Reporting and Writing

Deals with advanced development of reportorial skills and writing techniques, with exposure to complex issues and ideas influencing public affairs reporting.

Credits: 3

Prerequisites:

JOUR 202.

JOUR 303: Ethics in Journalism

Evaluation and analysis of contemporary ethical problems encountered in the mass media.

Credits: 3

Prerequisites:

JOUR 301 or 3723-311.

JOUR 305: Special Topics in Journalism

Topical reporting course designed to change from semester to semester. Topics to be offered include Sports Reporting (JOUR 305 section 01), International Reporting (JOUR 305 section 02), and Editorial and Commentary Writing (JOUR 305 section 03).

Credits: 3

Prerequisites:

JOUR 301.

JOUR 306: History of Multicultural Media

Comparison of black and white press histories-political, economic, social and cultural, emphasizing the development characteristics of the former.

Credits: 3

JOUR 307: Contemporary Issues

Examination of such major press issues as censorship, race, pornography, advertising, and confidentiality, with practice in criticism and commentary.

Credits: 3

Prerequisites:

JOUR 201.

JOUR 308: Copy Editing

Overall view of the editorial concept, with emphasis on the copy editor's job and editing copy manually as well as on the computer.

Credits: 3

Prerequisites:

JOUR 202.

JOUR 309: Publication Production Techniques

Combines theory and actual practice to demonstrate the techniques of publication production and the principles of layout and design.

Credits: 3

Prerequisites:

JOUR 202.

JOUR 311: Broadcast Journalism I

Emphasis on radio and television news reporting with lab and field practice in reporting techniques. Readings, writing, announcing for broadcast.

Credits: 3

Prerequisites:

JOUR 204 and RTVF 322.

JOUR 312: Broadcast Journalism II

Advanced television news reporting and production. Emphasis on fact-gathering, interviewing, packaging the TV news report. On-the-air reporting.

Credits: 3

Prerequisites:

JOUR 311.

JOUR 313: NewsVision Lab

Reporting, writing, editing and production for Howard NewsVision, the Journalism Department's laboratory broadcast news and public affairs program.

Credits: 3

Prerequisites:

JOUR 311.

JOUR 320: Advertising Sales

Examines the principles and techniques of advertising and advertising sales and their application to the print media.

Credits: 3

Prerequisites:

JOUR 206.

JOUR 321: Advertising Copywriting and Design

Treats the theory and practice of researching, writing, and designing advertising for all media.

Credits: 3

Prerequisites:

JOUR 206.

JOUR 322: Media Planning and Buying

An overview of the principles of planning and buying media: publications, broadcast, and direct mail and in-depth examination of the sources of pertinent advertising data necessary to the development of all advertising-related strategies and decisions.

Credits: 3

Prerequisites:

JOUR 320.

JOUR 323: Advertising Research and Marketing

In-depth examination of the sources of pertinent data to provide background and guidelines necessary to the development of all advertising-related strategies and decisions.

Credits: 3

Prerequisites:

JOUR 322.

JOUR 324: Advertising Campaigns

Develop specific advertising campaigns according to selected media criteria, i.e., newspaper, magazine, radio and television demographics. Study of the differences and similarities in each type of media that ultimately produces successful advertising campaigns.

Credits: 3

Prerequisites:

JOUR 323.

JOUR 325: Advertising Management

Decision theory and techniques used in planning, directing and evaluating advertising. Emphasis on media-message strategies and media systems.

Credits: 3

JOUR 330: Public Relations Writing I

Designed to develop professional level writing skills with emphasis on external communications: press releases, news conferences, spokesperson training, backgrounds, memos, query letters and public service announcements.

Credits: 3

Prerequisites:

JOUR 202.

JOUR 331: Public Relations Writing II

Designed to develop professional level writing skills with emphasis on publication design, employee communications, speechwriting and audio visual presentations.

Credits: 3

Prerequisites:

JOUR 330.

JOUR 332: Advanced Public Relations

Emphasis on understanding communication theory, the use of research in public relations, ethics and public opinion.

Credits: 3

Prerequisites:

JOUR 330.

JOUR 333: CapComm Lab

Emphasis on planning, developing, implementing and evaluating public relations campaigns through a departmental public relations or advertising agency.

Credits: 3

Prerequisites:

JOUR 332 or JOUR 323.

JOUR 401: International Press Issues

Overview of the publications, advertising and press laws as well as history, development and operation of the international press, with special attention to Africa.

Credits: 3

JOUR 403: Feature Writing

Deals with the theory and practice of feature writing for publications, including critical inspection of published examples.

Credits: 3

Prerequisites:

JOUR 301.

JOUR 404: Supervised Internship: Advertising

Offers field experience under the supervision of a professional in print, or broadcast, advertising or an advertising agency.

Credits: 1

Prerequisites:

JOUR 320.

JOUR 405: Supervised Internship: Print

Offers field experience, under a professional journalist, that requires preparation and publications or regular writing.

Credits: 1

Prerequisites:

JOUR 301.

JOUR 406: Supervised Internship: Broadcast News

Offers field experience, under a professional journalist, that requires preparation of newscasts at a radio or television station.

Credits: 1

Prerequisites:

JOUR 204.

JOUR 407: Supervised Internship: Public Relations

Actual work experience as an intern with the Public Relations Department of an organization or on a team project assigned by the instructor relating academic training to professional experience

Credits: 1

Prerequisites:

JOUR 203.

JOUR 410: Directed Study

Consists of advanced, individualized research with the department chairman or designee

Credits: 3

Prerequisites:

Junior or senior standing, and approval of the department's Curriculum Committee.

JOUR 411: Newspaper Lab

Reporting, writing, and editing for The Community News, the Journalism Department's laboratory newspaper.

Credits: 3

Prerequisites:

JOUR 301.

JOUR 412: Newspaper Management

An examination of the functions performed in the various departments of a newspaper (editorial, business, and production) and how these functions affect the operation of a newspaper as a business enterprise. The course introduces students to the economic and structural factors which influence media operations and practices; it also covers management problems.

Credits: 3

Prerequisites:

JOUR 202.

JOUR 413: Advanced Copy Editing

Concentration on the editing and display of complex news stories and other print media content with emphasis on accuracy, fairness, news judgment, content, ethical and legal considerations. Advanced practice in designing pages, using computer editing technology, copy control, scheduling and newsroom interaction.

Credits: 3

Prerequisites:

JOUR 308.

JOUR 414: Advanced Management Seminar

An in-depth study of the sources of newspaper revenue, economic trends in publishing; independent and group (chain) ownership; newspaper administration policies and practices.

Credits: 3

Prerequisites:

JOUR 412.

Media, Journalism & Film

MJFC

MJFC 100: Fundamentals of Journalism

Students learn writing rules and styles unique to journalism with a focus on Associated Press Stylebook, Yahoo! Style Guide, grammar, punctuation and mathematics for journalists. Students must pass this course to continue in the journalism program.

Credits: 1

MJFC 101: Introduction to Mass Communications

Explores the world of mass communication in its entirety and all critical efforts that affect this area.

Credits: 3

MJFC 200: Introduction to Media Production

This course is designed to introduce and test the student on video camera operation, basic lighting, basic audio, video editing and script format. Video projects will be uploaded to our website. A class internship at glasshouseradio.com is required. A three-minute video project and a two-minute audio project are included in the final class projects.

Credits: 3

Prerequisites:

SCOM 120 Digital Media Literacy and sophomore standing.

MJFC 201: Multimedia Storytelling

This course emphasizes reporting, writing and editing skills—the foundations of storytelling across media platforms. Students explore the techniques used to research and report complex social, political and economic issues with a focus on education, zoning and development, crime, courts and government operations. Students cover news beats and produce publishable content.

Credits: 3

Prerequisites:

MJFC 101 Intro to Mass Comm, MJFC 200 Intro to Media Production.

MJFC 202: Visual Communication

Students gather information in pictures, video and audio for presentation in multimedia journalism projects. Students use a variety of open source and proprietary software to edit images and sound to create and upload packages to the Web.

Credits: 3

Prerequisites:

MJFC 200 Intro to Media Production.

MJFC 211: Announcing and Interviewing

This lecture-laboratory course provides students with an understanding of the techniques and skills for producing effective audio for broadcast. Students learn to perform scripts for news, features, commercials and entertainment programming that can be aired on radio and/or the Internet. In pre-production and planning, production and post-production, students learn how to use the voice through the microphone, produce compelling audio interviews and create audio dramas. The course also explores radio broadcasting and production voiceover opportunities. Productions with exceptional broadcast quality may be published through the Howard University Radio Network.

Credits: 3

Prerequisites:

MJFC 200 Intro to Media Production.

MJFC 220: Media Production II

Theory and practice of the basic principles governing the disciplines of video and film. The primary concern of the course will be to understand photo-optics, the photochemical process and the television studio through exposing students to a variety of problem-solving exercises.

Credits: 3

Prerequisites:

SCOM 120 Digital Media Literacy, MJFC 101 Introduction to Mass Communications, MJFC 200 Introduction to Media Production.

MJFC 221: Contemporary Topics: Race, Gender and Media

Race, gender and class are socially and culturally constructed and represented in media. As an introduction, this course examines the mass media as economic and cultural institutions that shape our social identities and are shaped by them. This is accomplished through analyses of popular mass media including film and television. Some attention will be paid to media producers and the media audience. Using the techniques of reviewing personal experience, reconstructing knowledge and conducting media assessments, this course is designed to stimulate critical thinking and thoughtful discussion.

Credits: 3

MJFC 222: Documentary Film Critique

This course offers a general survey of the history of American documentaries and teaches students to critically examine the modes, styles, elements, processes and techniques of documentary storytelling. It explores what is documentary as well as ethical and legal considerations for the genre. It examines varieties of approaches adopted by non-fiction filmmakers engaged in producing social documentaries focused on diverse political, economic, cultural, racial, social, personal, and historical attributes and topics.

Credits: 3

MJFC 250: Producing for TV & Film

Credits: 3

MJFC 300: Co-Curricular Journalism

Students gain supervised, hands-on experience at one of the following Howard University media outlets: WHUT-TV, Howard University News Service (www.hunewsservice.com), 101 Magazine (www.101Magazine.net), the National Newspaper Publishers Association News Service and the Howard University Radio Network.

Credits: 1

Prerequisites:

MJFC 201 Multimedia Storytelling.

MJFC 301: Co-Curricular Audi

Students gain supervised, hands-on experience at one of the following Howard University media outlets, the Howard University Radio Network, including but not limited to WHBC 96.3 HD3 and glasshouseradio.com; HUNewsService.com; and 101Magazine.net.

Credits: 1

Prerequisites:

none

MJFC 302: Co-Curricular TV/Film

Students gain supervised, hands-on experience at one of the following Howard University media outlets: WHUT-TV and the Howard University Radio Network, which includes WHUR-Radio 96.3 HD1, WHUR-World 96.3 HD2, WHBC 96.3 HD3, glasshouseradio.com, H.U.R. VOICES Sirius XM Channel 141 and HBCU Sirius XM Channel 142.

Credits: 1

Prerequisites:

MJFC 220 Media Production II.

MJFC 310: Multicultural Media History

The political, social and economic history of media in the United States. Emphasis placed on technological, institutional and programmatic development, and their mutual influence on world culture.

Credits: 3

Prerequisites:

MJFC 101 Intro to Mass Communications and sophomore standing

MJFC 311: Interactive Editing

Students master the essentials of editing across media platforms as well as critical thinking, research, conceptual skills along with search engine optimization. Course includes traditional copy editing as well as text editing for broadcast.

Credits: 3

Prerequisites:

MJFC 201 Multimedia Storytelling.

MJFC 312: Digital Design

This course introduces students to the principles of layout, design and production of newspapers, magazines, websites and other digital media. Students develop a discerning eye for good design and a competency in graphic communication through use of appropriate professional design software to create a portfolio of your best work.

Credits: 3

Prerequisites:

MJFC 311 Interactive Editing.

MJFC 313: Public Affairs Reporting

Students explore how the federal, state and local governments work and their impact on communities. Students cover beats and report on public affairs issues, taking advantage of Howard University's setting in Washington, D.C.

Credits: 3

Prerequisites:

MJFC 201 Multimedia Storytelling.

MJFC 314: Computational Journalism

Students focus on data-driven reporting and obtaining, manipulating and analyzing electronic information for journalism projects. The class is designed for collaboration between journalism, computer science, information systems and engineering students.

Credits: 3

Prerequisites:

MJFC 201 Multimedia Storytelling or permission of the instructor.

MJFC 315: Special Topics in Journalism

Specialized reporting course. Offerings change from semester to semester and include Sports Reporting, International Reporting, Critical Writing, Advanced Photojournalism, Business Reporting, and Science, Technical, Environmental and Medical (STEM) Reporting.

Credits: 3

Prerequisites:

MJFC 201 Multimedia Storytelling.

MJFC 316: Enterprise Reporting in Diverse Communities

Students produce in-depth content packages with a focus on underserved communities in the Washington, D.C., area. Incorporates team teaching. The course is a prerequisite for Senior Capstone: Undergraduate Thesis courses.

Credits: 3

Prerequisites:

MJFC 201 Multimedia Storytelling.

MJFC 317: Broadcast News Production

Students learn to be a producer—the decision maker behind newscasts. The producer coordinates all of the elements (story meetings, video, scripts) to get his/her product on the air and meet deadline. This includes managing other students while working with constructive criticism from instructors. Students are evaluated on news judgment, creativity, quality of product, management abilities and professionalism.

Credits: 3

Prerequisites:

MJFC 316 Enterprise Reporting in Diverse Communities.

MJFC 318: Media Programming

Survey of radio and television programs and on-the-air presentations, using advanced techniques in psychological and sociological principles of programming.

Credits: 3

Prerequisites:

MJFC 310 Multicultural Media History.

MJFC 330: Multimedia Audio Production

This course provides students with basic knowledge of radio/audio storytelling and production techniques via practical experience for broadcast and Internet. Students work on projects designed to develop skills in audio writing, recording, editing, mixing and mastering techniques using digital audio software. The course also focuses on the science of sound and the history and business of radio. Exceptional productions of high quality will be published through the Howard University Radio Network.

Credits: 3

Prerequisites:

MJFC 200 Intro to Media Production. Audio majors are also required to take MJFC 211 Announcing and Interviewing.

MJFC 331: Audio for TV & Film

This production course focuses on the techniques of recording sound for film and television and the post-production processes necessary to create the soundtrack. Students use microphones, separate digital audio recorders and digital audio software to capture sound on location and in studio. Working in teams, students cooperate to produce creative projects that build and/or enhance audio production skills. In pre-production, production and post-production, students develop an understanding of audio responsibilities for visual media; become familiar with the legal and ethical issues facing the industry and explore the effective use of sound to help tell a story.

Credits: 3

Prerequisites:

MJFC 200 Intro to Media Production.

MJFC 340: Scriptwriting

This course serves as an introduction to the fundamentals of film, radio and television scriptwriting. The course will focus on character development, story outlines, treatments and narrative script formats for the web, film, television and radio as well as commercials for radio and television. Students will finish the course with a short film script, webisode or 30 pages of a television pilot.

Credits: 3

Prerequisites:

MJFC 200 Introduction to Media Production.

MJFC 341: Non-Linear Video Editing

Editing theory and history; advanced proficiency in Final Cut Pro; post-production, from assembly to final mix.

Credits: 3

Prerequisites:

MJFC 220 Media Production II.

MJFC 342: Videography

An intermediate course in video, studio and field production, operations and techniques, editing and mixing.

Credits: 3

Prerequisites:

MJFC 220 Media Production II.

MJFC 343: Cinematography

Study of the basic principles governing the discipline of cinematography and the development of technical skills. Fall only.

Credits: 3

Prerequisites:

MJFC 220 Media Production II.

MJFC 344: TV Directing

An intermediate course in video, studio and field production, operations and techniques, editing and mixing.

Credits: 3

Prerequisites:

MJFC 342 Videography.

MJFC 345: Film Directing

Students produce short narrative or documentary film projects to strengthen knowledge of the production process and practices in the chosen genre. Each student is responsible for breaking down the physical elements into playable steps with actors or producible steps for documentary film work. Class projects must demonstrate application of theoretical and artistic principles, unified into an organized system of visual and aural expressions.

Credits: 3

Prerequisites:

MJFC 343 Cinematography.

MJFC 346: Film Analysis

This course is designed to introduce students to the fundamental elements of video and filmmaking, and to analyze how those elements are used together to create meaning.

Credits: 3

MJFC 347: Producing for TV & Film

This course provides the student with an opportunity to develop their ability to work as a creative producer in the independent film and television production sector, while furnishing the student with some key skills for obtaining employment in the film and television industry in a production capacity.

Credits: 3

MJFC 400: Magazine Writing

Students learn the theory and practice of writing long-form journalism, short gazette items and interactive narratives for digital and print magazines. Coursework includes regular critiques of published examples by student and professional journalists. Students also serve as reporter/producers for 101 Magazine (www.101magazine.net).

Credits: 3

Prerequisites:

MJFC 316 Enterprise Reporting in Diverse Communities or permission of the instructor.

MJFC 401: Media Management

An examination of the functions performed in various departments of news media companies—broadcast, digital, print and combinations of the three—and how these functions affect the operation of a business enterprise. The course introduces students to the economic and structural factors that influence media operations and practices. It also covers management problems.

Credits: 3

Prerequisites:

MJFC 316 Enterprise Reporting in Diverse Communities.

MJFC 402: Magazine Publishing

The interdisciplinary course exposes students to the practice and theory in publishing a magazine across platforms. Students learn about the interactions between newsroom and business departments by studying established companies as well as serving in various roles for 101 Magazine, including business development, strategic planning, editorial and interactive content, design, advertising, circulation, production and public relations.

Credits: 3

Prerequisites:

MJFC 316 Enterprise Reporting in Diverse Communities or permission of the instructor.

MJFC 410: Audio Engineering

Students explore the theoretical fundamentals of acoustics, electronics, synthesis, sound design in and for music production and digital audio recordings. Along with building vital academic proficiency, students acquire a strong foundation in the use of a digital audio workstation in a music production setting. Students will begin to develop and apply practical skills relating to studio construction, microphones, microphone placement, mixing consoles, recording and signal processors. Audio engineering involves an introduction to software-based recording systems with an emphasis on editing, arranging and mixing.

Credits: 3

Prerequisites:

senior standing and MJFC 330 Multimedia Audio Production.

MJFC 420: Documentary Film Production

This course is designed to engage the student in the actual conceptualization, planning and development, and execution of a short social documentary. Class will be conducted as a workshop, seminar and mentoring sessions on concept development, research, production and post-production for documentary as students pursue topics of interest to them. Because it will deal with the interpretation and translation of actualities of the real world into the medium of documentary television, this course is intended to carry the student through the rigors of production for documentary based on sound research.

Credits: 3

Prerequisites:

MJFC 342 Videography, MJFC 343 Cinematography, MJFC 330 Advanced Audio or MJFC 316 Enterprise Reporting in Diverse Communities.

MJFC 421: Blacks in Film

A survey of the history of the image of African Americans in film. Students will analyze the impact that these stereotypes have on society and on Blacks' self-concept. The course will also examine the ways in which the images of Black people have changed (or been perpetuated) when rendered by African American filmmakers. Spring only.

Credits: 3

MJFC 423: Advanced Scriptwriting

This course is designed for the advanced undergraduate student who has completed the required undergraduate Scriptwriting course. The student must present in class the first act of a feature-length screenplay or 30 pages of a pilot for a television series. An intense concentrated effort will focus on completing a first draft of the student's three-act screenplay or teleplay.

Credits: 3

Prerequisites:

MJFC 340 Scriptwriting.

MJFC 430-435: Directed Studies: Journalism

Independent research or study, designed to help students pursue interests not served in formal courses.

Credits: 3

Prerequisites:

junior or senior standing and faculty/department permission.

MJFC 436-440: Directed Studies: Audio

Independent research or study, designed to help students pursue interests not served in formal courses.

Credits: 3

Prerequisites:

junior or senior standing and faculty/department permission.

MJFC 441-455: Directed Studies: TV and Film

Independent research or study, designed to help students pursue interests not served in formal courses.

Credits: 3

Prerequisites:

junior or senior standing and faculty/department permission.

MJFC 456: Practicum-Internship: Journalism

Continued ongoing work within the student's chosen area of journalism involving placement in a professional setting in a supervised internship.

Credits: 1

Prerequisites:

MJFC 316 Enterprise Reporting in Diverse Communities and senior standing.

MJFC 457: Practicum-Internship: Audio

Continued ongoing work within the student's chosen area of audio involving placement in a professional setting in a supervised internship.

Credits: 1

Prerequisites:

MJFC 330 Multimedia Audio Production, senior standing.

MJFC 458: Practicum-Internship: TV

Continued ongoing work within the student's chosen area of television involving placement in a professional setting in a supervised internship.

Credits: 1

Prerequisites:

MJFC 344 TV Directing, senior standing.

MJFC 459: Practicum-Internship: Film

Continued ongoing work within the student's chosen film area involving placement in a professional setting in a supervised internship.

Credits: 1

Prerequisites:

MJFC 345 Film Directing, senior standing.

MJFC 460: Undergraduate Thesis: Journalism I (Senior Capstone)

Required of all journalism majors. Students produce content for broadcast and online platforms. Before graduation, students must also complete a project related to their minors—and ideally another project in their foreign languages—in this or earlier courses.

Credits: 6

Prerequisites:

MJFC 316 Enterprise Reporting in Diverse Communities.

MJFC 461: Undergraduate Thesis: Journalism II (Senior Capstone)

A more intensive Capstone course that substitutes for MJFC 460 and one, three-credit MJFC elective with department/faculty permission.

Credits: 6

Prerequisites:

special permission and MJFC 316 Enterprise Reporting in Diverse Communities.

MJFC 462: Undergraduate Thesis: Advanced Audio Production I

An advanced study of production methods with an emphasis on studio training in producing multimedia and complete radio programs. Students learn advanced mixing and mastering techniques while creating projects with experimental audio. In-depth study and application of effects processing, dynamics processing, analogue routing and mixing, and mastering are studied. During various critical listening assignments, students will be required to write analysis and commentary. Students will be expected to produce an audio electronic portfolio that contains completed productions including audio for film, radio (commercial and non commercial) and multimedia audio for the web (podcasts, SoundSlides).

Credits: 3

Prerequisites:

senior standing, MJFC 330 Media Audio Production and MJFC 340 Scriptwriting.

MJFC 463: Undergraduate Thesis: Advanced Audio Production II

A more intensive Capstone course that substitutes for MJFC 462 and one, three-credit MJFC elective.

Credits: 6

Prerequisites:

special permission, senior standing, MJFC 330 Multimedia Audio Production, MJFC 340 Scriptwriting, MJFC 457 Audio Practicum.

MJFC 464: Undergraduate Thesis: Advanced TV Production I

Independent study of advanced production techniques and principles, during which the student produces a major video product or studio production. The course will also broaden skills to include single camera production to facilitate the development of narrative television programs for broadcast and online distribution. Emphasis will be on taking creative program concepts from mind to screen with the technical mastery of equipment and facilities.

Credits: 2

Prerequisites:

MJFC 344 TV Directing.

MJFC 465: Undergraduate Thesis: Advanced TV Production II

A more intensive Capstone course that substitutes for MJFC 465 and one, three-credit MJFC elective.

Credits: 5

Prerequisites:

MJFC 344 TV Directing.

MJFC 466: Undergraduate Thesis: Advanced Film Directing I

The focus of this course is to engage students with the technical as well as creative process of directing for film. On a very advanced level, students will learn how to interpret a classic literary drama by further translating such manuscripts into the medium of motion pictures.

Credits: 2

Prerequisites:

MJFC 345 Film Directing.

MJFC 467: Undergraduate Thesis: Advanced Film Directing II

The focus of this course is to engage students with the technical as well as creative process of directing for film. On a very advanced level, students will learn how to interpret a classic literary drama by further translating such manuscripts into the medium of motion pictures.

Credits: 5

Prerequisites:

special permission and MJFC 345 Film Directing.

Communication Sciences & Disorders

COSD

COSD 241: Language Development

Non-technical survey of the nature of language and language varieties in a multicultural environment. (Fall)

Credits: 3

COSD 261: Phonetics

Teaches use of the International Phonetic Alphabet for transcription of normal and disordered speech, with emphasis on English sounds. (Spring)

Credits: 3

COSD 263: Anatomy and Physiology of Speech and Hearing Mechanisms & Lab

Examines the skeletal, muscular and neurological systems involved in the processes of respiration, phonation, articulation, resonance and audition. (Fall)

Credits: 4

COSD 361: Introduction to Articulation and Language Disorders

Discussion of disorders and language, diagnosis and treatment overview. (Spring)

Credits: 3

COSD 362: Introduction to Fluency and Voice Disorders

Introduction of disorders of voice and stuttering, with an overview of diagnosis and therapeutic management. (Fall)

Credits: 3

COSD 367: Bases of Audiology and Lab

Involves the descriptive anatomy and physiology of hearing along with testing habilitative and rehabilitative methodologies of hearing pathologies. (Fall)

Credits: 3

Radio, TV, & Film

RTVF

RTVF 111: Introduction to Mass Communication

Explores the world of mass communication in its entirety and all critical efforts that affect this area.

Credits: 3

RTVF 211: Communications Research

Designed to introduce students to the theories and methodologies of research in the field of communications. Emphasis will be placed on developing research models, planning and managing investigations and surveys, as well as on the impact of the research on society.

Credits: 3

Prerequisites:

Sophomore standing.

RTVF 213: History of Broadcasting and Film

The political, social and economic history of broadcasting and film in the United States. Emphasis placed on technological, institutional and programmatic development, and their mutual influence.

Credits: 3

Prerequisites:

Sophomore standing.

RTVF 215: Communications Policy

A survey of the new communications technology and systems, focusing on their effect on the formulation of communications policy. Emphasis placed on information reproduction, retrieval, storage and distribution.

Credits: 3

Prerequisites:

Sophomore standing.

RTVF 231: Introduction to Media Production

Designed to give students a technical and operational foundation in radio, video and film. Requires that each student produce a short project in each medium with projects governed by the aesthetic principles of that medium.

Credits: 3

Prerequisites:

Sophomore standing.

RTVF 232: Basic Television and Film Production

Theory and practice of the basic principles governing the disciplines of video and film. The primary concern of the course will be to understand photo-optics, the photo-chemical process and the television studio through exposing students to a variety of problem-solving exercises.

Credits: 3

Prerequisites:

RTVF 231.

RTVF 312: Contemporary Topics in Mass Communications

Discussion of the problems of mass media and society based on readings on the subject.

Credits: 3

Prerequisites:

RTVF 111.

RTVF 322: Radio Production

Lecture-laboratory course in writing, research, and persuasive communication techniques in radio production.

Credits: 3

Prerequisites:

RTVF 231.

RTVF 324: Broadcast Performance

Laboratory course dealing with the basic principles of broadcast announcing and interviewing.

Credits: 3

Prerequisites:

RTVF 231.

RTVF 326: Videography

An intermediate course in video, studio and field production,, operations and techniques, editing and mixing.

Credits: 3

Prerequisites:

RTVF 231.

RTVF 331: TV Directing and Lab

Advanced television production course focusing on the role of the television director in a variety of productions.

Credits: 3

Prerequisites:

RTVF 326.

RTVF 334: Scriptwriting

Introduction to the fundamentals of film, radio, and television script writing.

Credits: 3

Prerequisites:

RTVF 231.

RTVF 335: Afro-Americans in Music Industry

A critical survey of the use and misuse of Afro-American music (blues, jazz, gospel, contemporary) by the commercial recording industry in the U.S.

Credits: 3

RTVF 337: Television Documentary

Theory and practice in planning and executing public affairs, informational, and cultural documentary programs.

Credits: 3

RTVF 338: TV Tech Operations

Students learn the different skills necessary to operate the technical areas of a television station. Classes are taught in WHUT-TV, the University-owned television station.

Credits: 3

RTVF 342: Cinematography I

Study of the basic principles governing the discipline of cinematography and the development of technical skills. Fall only.

Credits: 3

Prerequisites:

RTVF 232.

RTVF 345: Third World Cinema

Treats the alternative cinema of the Third World, with a view towards film as a reflection of ideological superstructures. Fall semester only.

Credits: 3

Prerequisites:

RTVF 232.

RTVF 346: Blacks in Film

Historical survey and critical social analysis of black films and blacks in film. Spring semester only.

Credits: 3

RTVF 351: Telecommunications Ownership and Finance

Treats the principles of marketing and development of buying habits among purchasers through the mass media.

Credits: 3

Prerequisites:

RTVF 213.

RTVF 352: Telecommunications Advertising and Sales

Introduction to the theories and practices of sales and advertising departments of radio and television stations.

Credits: 3

Prerequisites:

RTVF 213.

RTVF 353: Programming

Survey of radio and television programs and on-the-air presentations, using advanced techniques in psychological and sociological principles of programming.

Credits: 3

Prerequisites:

RTVF 213.

RTVF 354: WHBC/WHUR Lab

Organized broadcast activity designed to expose students to all aspects of broadcasting. Students operate independently in all job positions.

Credits: 0

RTVF 366: African-Americans in the Mass Media

Provides a historical and critical analysis linking the changing images of African Americans in the media to concurrent social, economic, cultural and political trends.

Credits: 3

RTVF 419: Directed Study

Independent research or study, designed to help students pursue interests not served in formal courses.

Credits: 3

Prerequisites:

Junior or senior standing.

RTVF 423: Advanced Radio Production

Project course focusing on documentary and dramatic solutions to problems in education and public affairs programming.

Credits: 3

Prerequisites:

RTVF 322.

RTVF 424: International Telecommunications

Comparative study of international communications systems, program policy, economics, organization, and control, with emphasis on Third World broadcasting. Spring semester only.

Credits: 3

Prerequisites:

Junior or senior standing.

RTVF 431: Advanced Television Production

Independent study of advanced production techniques and principles, during which student produces a major video product or studio production.

Credits: 3

Prerequisites:

RTVF 331.

RTVF 432: TV Practicum

Continued ongoing work within the student's chosen TV area, generally involving placement in a professional setting.

Credits: 1

Prerequisites:

RTVF 326 and minimum 3.0 GPA in all major courses.

RTVF 433: Audio Practicum

Continued ongoing work within the student's chosen audio area, generally involving placement in a professional setting.

Credits: 1

Prerequisites:

Senior standing and minimum 3.0 GPA in all major courses.

RTVF 434: Film Practicum

Continued ongoing work within the student's chosen film area, generally involving placement in a professional setting.

Credits: 1

Prerequisites:

Senior standing and minimum 3.0 GPA in all major courses.

RTVF 435: Management Practicum

Continued ongoing work within the student's chosen management/policy area, generally involving placement in a professional setting.

Credits: 1

Prerequisites:

Senior standing and minimum 3.0 GPA in all major courses.

RTVF 441: Documentary Film

Surveys history of the documentary film, concentrating on the documentary as a film with a purpose.

Credits: 3

Prerequisites:

RTVF 342.

RTVF 443: Film Directing

Teaches the principles of directing: methods and techniques, styles and interpretation of role acting, and stage blocking. Fall semester only.

Credits: 3

Prerequisites:

RTVF 342.

RTVF 451: Broadcast Management

Functions of various radio and television stations in relation to the community and market.

Credits: 3

Prerequisites:

RTVF 215.

Strategic, Legal & Management Communication

SLMC

COURSE DESCRIPTIONS

SCOM 102: Intro: Comm. Prof. Dev.

This course is an introduction to the Communication profession and topics of significance to the field of Communications.

Credits: 1

SCOM 120: Digital Media Literacy

The primary goal of this class is to help students develop and critically examine the cultural competencies, technologies and social skills necessary for the new media landscape of the 21st century.

Credits: 3

SCOM 130: Ethical Issues in Communication

This course provides a foundation for ethical decision making in human communication including mass media.

Credits: 3

SLMC 101: Principles of Speech.

This course is designed to develop skills that will strengthen effective communication within a variety of contexts including, but not limited to, academic and organizational settings, with business and professional associates, and with family and friends. It is a performance course that is based on the study of communication theory as applied to a numerous public speaking situations and social interactions. The overall goals of this course are to improve the student's ability to speak before an audience, to listen to and analyze speeches, to interact more effectively interpersonally with others and to increase awareness of the role of communication in our complex society. Although natural ability is an asset, every student's capabilities in speech communication can be markedly improved through (1) an understanding of the communication process, (2) continued training in communication principles, and (3) practice in interpersonal, intercultural, group and speaker-audience situations.

Credits: 3

SLMC 102: Fund. of Advert. & Storytelling

This course has two primary areas of focus: (1) Introduce students to the field of advertising, its history and provide a general overview of advertising in the context of integrated marketing communications (IMC) and emergent media. Agency roles, corporate structure, branding and industry trends will be discussed as well as, the advertising process from research, creative, production, media placement and evaluation. (2) Additionally, students will be introduced to development of strategic communication messages via traditional and emergent media platforms. They will identify underlying themes of various stories on multiple platforms and decide how narratives will be best told strategically. Students will distinguish among different types of stories via the use of experiential (real-world) exercises to identify common themes and identify characteristics of a good story.

Credits: 3

SLMC 202: Intro to Communication Theory.

The course is an introductory approach to theories associated with the study and analysis of human communication dynamics. The perspective adopted in the course is that human communication is a complex, problematic, and conflict-ridden challenge that human beings must process and manage as a constant of daily and social life. Communication theory seeks to explore meaning in diverse and complex ways so as to provide a broad base of understanding about the complexity of meaning for social beings, and the challenge that humans have in seeking to construct it, understand it, manage it, critique it, and, when necessary, change it.

Credits: 3

SLMC 203: Principles of Persuasion.

It is without question that persuasive communication permeates throughout every aspect of our existence. We are constantly inundated with messages designed to influence or change our attitudes, beliefs, values and/or behavior. Moreover, persuasion occurs on every level of communication, from the intra-personal through the global and even occurs within the context of the communication process.

Credits: 3

SLMC 210: Intro to Strategic Communication

This introductory course explores the basics of how strategic communications works and teaches students the strategic concepts and principles necessary to understand how of how effective advertising, public relations and marketing decisions are developed and executed. This course will provide students with an overview of the principles, history and contemporary practices of the advertising, public relations and marketing industries and explain the nexus among those disciplines. SLMC 203 explores the role of public communication, its pervasiveness in society and provides an introduction to the development of a strategic communications plans.

Credits: 3

Prerequisites:

Sophomore standing.

SLMC 231: Mock Trial.

Mock Trial is designed to provide students with an introduction to communication in legal processes specifically for trial court settings. Mock Trial will expose students to the fundamental structure of trial court litigation. This course offers the basic principles of civil and criminal litigation and practice, including other various aspects of law, such as the rules of procedure, statutes and case laws. It is expected that each student will gain invaluable experience regarding the principles of persuasion while enhancing their ability to argue and object utilizing the rules of evidence and civil procedure often exemplified in trial court litigation.

Credits: 3

Prerequisites:

SLMC 203.

SLMC 241: Communication Policy.

This course is designed to introduce students to the structure, process and implementations of telecommunication policies. Students will be exposed to different communication issues and bring about awareness and understanding of the impact communications, particularly telecommunications, has on society. After reviewing a variety of issues that involve structure and operation of mass media system, students will examine various policies, laws, and regulations under which the media system operates. Over the course of the semester, we will be looking at public and private communication policies and their interactions and the possible impact that a policy may have on the overall performance of the mass media in society.

Credits: 3

SLMC 250: Intro to Leadership and Management Communication.

The course is designed to introduce students to an array of communication principles and practices that will provide them with a more comprehensive perspective on leadership and management. The goal of this course is to improve students' competence in communication leadership and management. The course content is varied, mixing theory and practice and enabling the student to acquire both theoretical knowledge and application skill. The course differentiates between leadership and management and discusses both leadership and followership. It also examines the various contexts in which leadership occurs, such as on the interpersonal, group, cultural, and public contexts.

Credits: 3

SLMC 251: Interpersonal Communication.

Interpersonal communication represents the very foundation of human communication. It is the goal of this course to explore and to develop an intellectual and operational understanding of these two disciplines in order to learn ways of communicating effectively in individual, dyadic and group situations. Special attention will be directed to the application of theoretical perspectives to the classroom and small group settings.

Credits: 3

SLMC 301: Intercultural/International Communication

Intercultural and International Communication disciplines share similarities with respect to media, culture and political diplomacy between sovereign nations. This course will examine the role media plays when covering issues related to ethnicity and race from the international perspective. It will also explore the cultural and developmental communication initiatives and the critical paradigms that should be employed when dealing with interpersonal, group and mass communication interactions between “developed” and “developing nations.” The course will also examine how International Relations (diplomacy) are impacted from a global communication standpoint. The course will establish a credible theoretical framework that underpins intercultural and international communication dynamics in the 21st century.

Credits: 3

SLMC 311: Basic PR Writing

This course is designed to teach professional-quality techniques for writing to persuade in multiple public relations formats, including news releases, news advisories, features, backgrounders, pitch letters and other public relations writing formats in a multi-media environment.

Credits: 3

Prerequisites:

MJFC 100 Fundamentals of Journalism, SLMC 210 Intro. to Strategic Communication.

SLMC 312: Advanced PR Writing

This course is designed to build upon the skills and knowledge a student gained in Public Relations Writing I (Basic PR Writing). Students will develop professional-level writing skills with a special emphasis on writing controlled communications, such as speeches, newsletters, pitch letters, public service announcements, brochures and social media tactics, as a part of a strategic communications plan.

Credits: 3

Prerequisites:

SLMC 311 Basic PR Writing.

SLMC 313: Public Affairs Planning & Management

This course is designed to introduce students to the tools and techniques of public affairs campaign planning and management in a team environment. The course focuses on the branch of public relations that seeks to effect policy change through legislative, regulatory and executive action. It also builds on students' previous studies of communications theory, reinforces their understanding of the ethical underpinnings of sound public relations practice and engages them in campaign planning while working in teams.

Credits: 3

Prerequisites:

SLMC 311 Basic PR Writing.

SLMC 321: Advertising Sales

This course discusses the elements of advertising sales and marketing in the business environment. Content consists of advertising and sales promotion, selection of media, and use of advertising and sales promotion as a marketing tool, and ROI (testing media effectiveness). Upon completion, students will demonstrate an understanding of sales/marketing concepts by making actual sales calls to prospective buyers utilizing one of Howard University's media properties.

Credits: 3

Prerequisites:

SLMC 210 Introduction to Strategic Communications.

SLMC 322: Advertising Copywriting & Design

This course combines theory and practice to cultivate effective creative strategy and conceptual thinking within advertising creative utilizing diverse and interdependent media. Students will apply critical thinking to create campaign solutions employing the use of traditional, social, digital and emerging media. Additionally, this course will develop principles of copy writing and design while incorporating the use of professional tools, technology and creative software.

Credits: 3

Prerequisites:

SLMC 210 Introduction to Strategic Communications .

SLMC 323: Advertising Research and Marketing

This three-credit-hour course introduces students to basic concepts and methods of the research process used in developing, executing, and evaluating integrated communication campaigns. Course content includes a survey of current research methods used in advertising, public relations and mass media studies.

Credits: 3

Prerequisites:

SLMC 210 Introduction to Strategic Communications ,Junior standing.

SLMC 324: Media Planning and Buying

The Media Planning and Buying course will provide you with knowledge of mass media (TV, Cable, Radio, Internet and Print) and various media options that are incorporated into media advertising strategy. Class discussions will focus on the strengths and weaknesses of various media forms, why certain media are selected and evaluated and the decisions that arise from the media planning and buying process. Class discussions, assignments and activities are designed to present, reinforce and practice skills needed to execute a successful media plan.

Credits: 3

Prerequisites:

SLMC 210 Introduction to Strategic Communications ,Junior Standing.

SLMC 325: SLMC Co-curricular

Students will gain experience in advertising sales, marketing and branding for campus media.

Credits: 1

SLMC 326: SLMC Co-curricular

Students will gain experience in advertising sales, marketing and branding for campus media.

Credits: 1

SLMC 328: SLMC Directed Study

A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

Credits: 3

SLMC 331: Communications Law.

The course is designed to give students an overview of one of our most important fundamental rights, the Right to Free Speech. The course will peruse through the gamut of First Amendment laws and constitutional privileges that have influenced our society and have ultimately shaped our legal system. The course will use statutory law and case law to examine the difference between protected speech and unprotected speech whether written or spoken. Above all, the course will analyze how existing law controls the operation of Mass Media and its impact on culture and systems of communication.

Credits: 3

Prerequisites:

; ENGL 010 – Tech Writing;

SLMC 332: Intro to Legal Research

Introduction to Legal Research prepares students with the necessary advanced research skills in legal research by exploring the essential legal resources used by lawyers and other legal professionals. Upon completion of this course the student will be equipped with the vital research skills of surviving in various, if not, all legal related occupations. This course will prepare students with research skills that will enable them to find relevant legal information to enhance any legal analysis. The course explores all facets of legal research using book research as well as online research.

Credits: 3

Prerequisites:

Junior Status; SLMC 331 Communication Law.

SLMC 341: Race, Gender, and Media.

This course is to explore how gender, ethnicity, and race are represented in both news media and popular culture. A particular emphasis is on the representation in media images, texts, and sounds, and on the significance of studying race and gender. The course invokes social scientific inquiries, both qualitative and quantitative, critically examining historical, socio-economic and institutional influences that govern the representation of race and gender in intersection of other cultural influences.

Credits: 3

SLMC 343: Programming.

This course is a survey of radio, television, cable and internet programs. It examines and evaluates national and international programming strategies and imagery used to maintain competitive audience. This course prepares students for entry-level jobs in programming and audience research at radio and television stations, syndicators, radio and television networks and cable systems. Finally, this course provides a theoretical framework for organizing and making sense of the processes of programming: selection, scheduling, promotion, and evaluation as practiced by stations and networks.

Credits: 3

Prerequisites:

MJFC 101 Intro to Mass Comm.

SLMC 351: Advanced Public Speaking.

Public speaking has become an important force for molding and shaping society. In an increasingly complex world, the need for articulate public speakers, that is, those who can present appropriate, relevant, and clear ideas to listeners in a direct, open and convincing manner has become even greater. This course is designed to provide the advanced student with specific communication principles and skills necessary for effective public speaking in a variety of contexts.

Credits: 3

Prerequisites:

SLMC 101.

SLMC 352: Intro to Organizational Communication.

This course is designed to explore the various theories and concepts that are foundational to practices and applications in the discipline of organizational communication. The nature of communication as the connecting thread in organizations and between organizations, social and enterprising, will be stressed. Emphasis will be placed on the understanding of organizations, management and leadership within the context of communication. Students will be exposed to the theoretical underpinnings of organizations, their processes and functions. Special attention will be given to the role of effective communication/interaction within the organization to maintain stasis and to manage change. .

Credits: 3

SLMC 401: Practicum-Internship: Public Relations (PR)

This is an experiential learning course. Experiential learning is an educational plan that integrates classroom study with practical work experience. This course is designed to provide qualified public relations students the opportunity for challenging and educational "hands-on" learning experience the public relations, journalism or communications fields. Students gain experience and helpful career direction by working under qualified professionals in a structured business environment. Paid or unpaid, students are expected to perform duties that are similar, if not identical, to the type of work they will do upon entering the professional workforce.

Credits: 3

Prerequisites:

Junior/senior standing, SLMC 311 Basic PR Writing, and prior approval of internship before beginning of internship.

SLMC 402: Practicum – Internship: Advertising (AD)

This is an experiential learning course. Experiential learning is an educational plan that integrates classroom study with practical work experience. This course is designed to provide qualified Advertising students the opportunity for challenging and educational "hands-on" learning experience the advertising, marketing related or communications fields. Students gain experience and helpful career direction by working under qualified professionals in a structured business environment. Paid or unpaid, students are expected to perform duties that are similar, if not identical, to the type of work they will do upon entering the professional workforce.

Credits: 1

Prerequisites:

Junior/Senior standing, SLMC 321 Advertising Sales, and prior approval of internship and service learning experience before beginning the internship and service learning experience.

SLMC 403: Practicum-Internship: Legal Communication (LC).

This is an experiential learning course. The course is designed to provide students with an opportunity for challenging and educational "hands-on" learning experiences.

Credits: 1

Prerequisites:

Senior Status; SLMC 352 Intro to Organizational Communication.

SLMC 404: Practicum-Internship: Media Management (MM).

This course is designed to facilitate the student's transition from college to the world of work. The focus of the class will be skills training in topics related to the identification and acceptance of employment opportunities, career development and techniques for upward mobility within the field of telecommunications management.

Credits: 1

Prerequisites:

SLMC 321 Advertising Sales or SLMC 343 Programming.

SLMC 405: Practicum-Internship: Organizational Communication Management (OCM).

This is an experiential learning course. The course is designed to provide students with an opportunity for challenging and educational “hands-on” learning experiences.

Credits: 1

Prerequisites:

Senior Status; SLMC 352 Intro to Organizational Communication.

SLMC 410: Social Media & Integrated Marketing.

This course is designed to provide students with the history, theory and practical uses of Integrated Strategic Communication (ISC), along with the legal and ethical issues associated with social media. This course requires students to create comprehensive ISC campaigns with an emphasis on targeted uses of social media channels and tactics.

Credits: 3

Prerequisites:

SLMC 323 Advertising Research & Marketing OR SLMC 311 Basic PR Writing, Senior standing.

SLMC 431: Conflict Management and Negotiation.

Conflicts are pervasive in human social life. There are differences in disputes involving participants with different backgrounds and goals in different situations, but there are similarities and identifiable underlying dimensions in conflict communication. Some relevant dimensions include gender, role, ethnicity, nationality, and family background. The purpose of this class is to introduce conflict as it occurs in a variety of contexts and the ways in which communication can impact the outcome of conflict. It is also designed to provide students with a framework for the systematic analysis, management and negotiation of conflict through the use of communicative strategies. Activities for learning include reading about conflict and communication, analyzing conflicts, experiencing, and evaluating communication behaviors that are effective. An introduction to negotiation strategies and practices will be presented.

Credits: 3

SLMC 441: Broadcast Management.

In this course, we will examine various broadcast companies, the organization of these companies and the underlying principles governing their management.

Credits: 3

Prerequisites:

MJFC 101, Junior/Senior Standing.

SLMC 451: Intro to Training and Development.

The training and development industry is vastly growing and reflects the information age as well as the technological advancement of the 21st century. This advancement complements and enhances the field of training and development. Therefore, the expertise and competence of professionals with training and development skills is critical. This course will examine various concepts, theories and issues relevant to organizational communication training and development. Organizational training initiatives will be introduced and explored. To address the changing needs of the workplace we will study the importance of re-education, re-tooling and the re-development of new models. Also, we will examine the field of training and development in an effort to understand the importance of adult and experiential learning as a tool for sustaining and/or improving organizational effectiveness.

Credits: 3

Prerequisites:

SLMC 352 Intro to Organizational Communication.

SLMC 490: Communication Research Methods.

This course is designed to introduce students to the basic concepts, principles, and techniques of communication research. Focusing on both qualitative and quantitative research methods, this course will provide students with a basic understanding of what types of studies lend themselves to specific research methods and how to collect and analyze data according to these methods. The course will provide participants with a foundation for developing more advanced research and entrepreneurial skills.

Credits: 3

SLMC 491: CapComm Lab

CapComm Lab is designed to provide an opportunity for students to gain practical experience through working in a co-curricular advertising and public relations student-run strategic communications firm. The course emphasizes planning, developing, implementing and evaluating strategic communications campaigns.

Credits: 3

Prerequisites:

SLMC 312 Advanced PR Writing or SLMC 323 Advertising Research.

SLMC 493: Capstone: Senior Research Project

In this course, students will review the major stages in the research process. Students will conduct and complete a major communication Capstone project related to students' field of study.

Credits: 3

Prerequisites:

SLMC 490 (cannot be taken simultaneously with SLMC 490).