

# 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 degree programs at the undergraduate level (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.

\*General Electives (Courses level 000 to 299)

## Freshman Year First Semester

| Item #   | Title   | Credits   |
|----------|---|-----------|
|          | English Writing Course  | 3         |
| INFO 010 | Business Problem Solving  | 2         |
| MATH 010 | College Algebra II  | 4         |
| MGMT 010 | Business Orientation  | 1         |
|          | Afro-American Studies Elective * (Options: see Elective Group Descriptions)         | 3         |
|          | World Language and Culture Requirement (Options: See Elective 3 Group Descriptions) | 3         |
|          | <b>Sub-Total Credits</b>  | <b>16</b> |

## Freshman Year Second Semester

| Item #   | Title   | Credits      |
|----------|---|--------------|
|          | English Writing Course  | 3            |
| MATH 026 | Applied Calculus  | 4            |
| MGMT 011 | Business Orientation II   | 1            |
|          | General Education Elective(s) (2-3 Credits) *Options: To be determined in consultation with advisor | 2-3          |
|          | World Language and Culture Requirement (Options: See Elective 3 Group Descriptions)                 | 3            |
|          | <b>Sub-Total Credits</b>  | <b>13-14</b> |

## Sophomore Year First Semester

| Item #                   | Title                         | Credits   |
|--------------------------|-------------------------------|-----------|
| ACCT 201                 | Accounting Principles I       | 3         |
| ECON 001                 | Principles of Economics I     | 3         |
| ECON 180                 | Statistics-Bus & Econ         | 3         |
| INFO 204                 | Mgmt Inform Sys               | 3         |
| MGMT 001                 | Career Counseling in Business | 1         |
|                          | Science Elective              | 3         |
| <b>Sub-Total Credits</b> |                               | <b>16</b> |

## Sophomore Year Second Semester

| Item #                   | Title   | Credits   |
|--------------------------|---|-----------|
|                          | History or Poli. Sci. Elective (Options: Courses in codes HIST or POLS) | 3         |
| ACCT 202                 | Accounting Principles II  | 3         |
| ECON 002                 | Principles of Economics II  | 3         |
| INFO 210                 | Intro to Software Design  | 3         |
| BCOM 320                 | Business Communications   | 3         |
| <b>Sub-Total Credits</b> |   | <b>15</b> |

## Junior Year First Semester

| Item #                   | Title   | Credits   |
|--------------------------|---|-----------|
| INFO 311                 | Quant Business Analysis   | 3         |
|                          | Programming Language  | 3         |
| MGMT 301                 | Management & OB   | 3         |
| MKTG 301                 | Principles of Marketing   | 3         |
|                          | Business Elective or General Education Elective (3) *Options: To be determined in consultation with advisor | 3         |
| <b>Sub-Total Credits</b> |   | <b>15</b> |

## Junior Year Second Semester

| Item #                   | Title   | Credits   |
|--------------------------|---|-----------|
| BLAW 305                 | Business Law I  | 3         |
| FINA 311                 | Finance Principles  | 3         |
| INFO 330                 | Data Base Management  | 3         |
| INFO 335                 | Prod & Operations Management  | 3         |
|                          | Computer Information Systems Elective* (Options: Courses under code INFO) | 3         |
| <b>Sub-Total Credits</b> |   | <b>15</b> |

## Senior Year First Semester

| Item #   | Title   | Credits   |
|----------|---|-----------|
| INFO 370 | Systems Analysis & Design   | 3         |
|          | Computer Information Systems Elective* (Options: Courses under code INFO)                                   | 3         |
|          | Managerial Economics or Entrepreneurship  | 3         |
|          | Business Elective or General Education Elective (3) *Options: To be determined in consultation with advisor | 3         |
|          | Business Elective or General Education Elective (3) *Options: To be determined in consultation with advisor | 3         |
|          | <b>Sub-Total Credits</b>  | <b>15</b> |

## Senior Year Second Semester

| Item #   | Title   | Credits    |
|----------|---|------------|
| INFO 398 | Info Sys Consulting   | 3          |
|          | Computer Information Systems Elective* (Options: Courses under code INFO) | 3          |
| MGMT 390 | Business Policy   | 3          |
|          | Business Elective   | 3          |
|          | Business Elective   | 3          |
|          | <b>Sub-Total Credits</b>  | <b>15</b>  |
|          | <b>Total credits:</b>   | <b>120</b> |

## Category Descriptions

### English Writing Course

ENGW 101, 102, or 104 First Semester

ENGW 103 or 105 Second Semester

### Afro-American Studies Elective \* (Options: see Elective Group Descriptions)

|          |                               |   |
|----------|-------------------------------|---|
| ENGL 054 | Afro-American Lit to 1940     | 3 |
| ENGL 055 | Afro-American Lit From 1940   | 3 |
| AFRO 005 | Intro Afro-American Studies I | 3 |
| AFRO 006 | Intro Afro-America Studies II | 3 |
| HIST 005 | Intro Black Diaspora I        | 3 |
| HIST 006 | Intro to Black Diaspora II    | 3 |
| AFST 101 | Intro to Contemporary Africa  | 3 |
| FASH 102 | African American Dress        | 3 |
| POLS 006 | Pan-Africanism                | 3 |
| MUTP 100 | Blacks in the Arts            | 3 |

## World Language and Culture Requirement (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 |

## General Education Elective(s) (2-3 Credits) \*Options: To be determined in consultation with advisor

General Education Elective requirement can be met with either:

- Two 1 Credit courses;
- One 2 Credit Course; or
- One 3 Credit course.

## Science Elective

Courses under subject codes CHEM, PHYS, BIOL, BIOG, and BIOC

## History or Poli. Sci. Elective (Options: Courses in codes HIST or POLS)

## Programming Language

Courses with subject code INFO.

|          |                                 |   |
|----------|---------------------------------|---|
| INFO 340 | Introduction to C++ Programming | 3 |
| INFO 341 | Intro to JAVA Programming       | 3 |

## Business Elective or General Education Elective (3) \*Options: To be determined in consultation with advisor

## Computer Information Systems Elective\* (Options: Courses under code INFO)

|          |                          |   |
|----------|--------------------------|---|
| INFO 204 | Mgmnt Inform Sys         | 3 |
| INFO 210 | Intro to Software Design | 3 |

## Managerial Economics or Entrepreneurship

|          |                          |   |
|----------|--------------------------|---|
| BECN 330 | Managerial Economics     | 3 |
| MGMT 351 | Entrepreneurship General | 3 |

## Business Elective