

Astronomy and Astrophysics

Freshman Year First Semester

Item #	Title	Credits
PHYS 013	Phys for Sci & Engr Lec I	3
PHYS 023	Phys for Sci & Engr Lab I	1
MATH 156	Calculus I	4
ENGW 104	Writing, Literacy, and Discourse	3
	World Language and Culture Requirement	3
FRSM 001	Freshman Seminar	1
	Sub-Total Credits	15

Freshman Year Second Semester

Item #	Title	Credits
PHYS 014	Phys for Sci & Engr Lec II	3
MATH 157	Calculus II	4
ENGW 105	Reflective Writing and Portfolios	3
	World Language and Culture Requirement	3
	Oral Communication	3
	Sub-Total Credits	17

Sophomore Year First Semester

Item #	Title	Credits
MATH 158	Calculus III	4
PHYS 015	Intro to Modern Physics	3
PHYS 025	Phys for Sci & Engr Lab III	1
	Intercultural Knowledge / World Language	3
PHYS 140	Intro to Astron. & Astrophysics I	3
	Humanities Requirement	3
	Sub-Total Credits	17

Sophomore Year Second Semester

Item #	Title	Credits
PHYS 141	Intro Astronomy & Astrophysics II	3
MATH 159	Differential Equations	4
PHYS 175	Thermodynamics	3
	African Diasporic Cluster	3
	Humanities Requirement	3
	Sub-Total Credits	17

Junior Year First Semester

Item #	Title	Credits
PHYS 182	Physical Mechanics I	3
PHYS 178	Electricity & Magnetism I	3
	Social Sciences Course	3
	General Elective (Options: To be determined in consultation with advisor) (3)	3
PHYS 088	Directed Readings for Jr. I	1
	Health Ed. Elective	1
	Sub-Total Credits	14

Junior Year Second Semester

Item #	Title	Credits
PHYS 143	Observational Astronomy	3
PHYS 145	Cosmology & Mod Astrophysics	3
	Social Science Course	3
PHYS 702	Experimental Physics I	3
PHYS 089	Directed Readings for Jrs II	1
	Sub-Total Credits	13

Senior Year First Semester

Item #	Title	Credits
PHYS 190	Quantum Physics I	3
	Concentration Elective - Physics	3
	General Elective (Options: To be determined in consultation with advisor) (3)	3
	General Elective (Options: To be determined in consultation with advisor) (3)	3
	Health Ed. Elective	1
PHYS 196	Senior Thesis	1
	Sub-Total Credits	14

Senior Year Second Semester

Item #	Title	Credits
	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)	
	Seminar or Computational Physics Elective	3
PHYS 197	Senior Thesis	1
	Sub-Total Credits	13
	Total credits:	120

Category Descriptions

World Language and Culture Requirement

Oral Communication

Intercultural Knowledge / World Language

Humanities Requirement

Humanities Requirement

African Diasporic Cluster

African Studies Elective (Options: Courses under subject code AFST) 3

Social Sciences Course

General Elective (Options: To be determined in consultation with advisor) (3)

Health Ed. Elective

Courses under HHPL and PHAS

Social Science Course

Concentration Elective - Physics

Seminar or Computational Physics Elective