

Biology

Degree Type

Bachelor of Science

Division Dean: Bret Clark, Ph.D.

Department Chair: Lindsay Boateng, Ph.D.

Professors: Bret Clark, Ph.D., Charles Horn, Ph.D.

Associate Professor: Valarie Burnett, Ph.D.

Assistant Professor: Lindsay Boateng, Ph.D.

Adjunct Faculty: Charles Lewis, D.H.Sc.

Requirements for the **Major in Biology** (not including General Education Core).

Requirements for the Major

Item #	Title	Credits
BIO 111	Latin and Greek Bioscientific Terminology	1
BIO 121	Biological Science	4
BIO 122	Zoology	4
BIO 201	Botany	4
BIO 212	Microbiology	4
BIO 322	Genetics	4
BIO 331	Cell Biology	4
BIO 481	Biology Junior Seminar	1
BIO 482	Biology Senior Seminar	1

Biology Electives

Choose three of the following below, one from the 200+ level and two from the 300+ level:

Item #	Title	Credits
BIO 215	Human Anatomy and Physiology I	4
BIO 216	Human Anatomy and Physiology II	4
BIO 301	Biochemistry I	4
BIO 302	Biochemistry II	4
BIO 312	Virology	3
BIO 314	Histology	4
BIO 315	Comparative Vertebrate Anatomy	4
BIO 320	Pharmacology and Toxicology	3
BIO 321	Animal Development	4
BIO 332	Economic Botany	4
BIO 342	Immunology	4
BIO 352	Biology of Cancer	3
BIO 401	Advanced Biochemistry and Molecular Biology	4
BIO 402	Field Biology	4
BIO 412	Molecular Biology	4
BIO 431	Ecology	4

An experiential learning course

Item #	Title	Credits
BIO 391	Investigative Biology	2
BIO 491	Research in Biology	1-4
BIO 495	Biology Internship	2-4
BIO 499	Biology Senior Essay	1-3

One of below pairs of chemistry

Item #	Title	Credits
CHE 230	Essentials of Organic Chemistry	3
CHE 240	Essentials of Organic Chemistry Laboratory	1
CHE 231	Organic Chemistry I	3
CHE 241	Organic Chemistry Laboratory I	2

Other Requirements

Item #	Title	Credits
MAT 150	Precalculus Mathematics	4
MAT 200	Applied Statistics	3
CHE 113	General Chemistry I	4
CHE 114	General Chemistry II	4

Physics; one of the below

Item #	Title	Credits
PHY 101	Fundamentals of Physics I	4
PHY 213	Physics for Science and Engineering Students I	4
Total Credits		62-65