



**Accelerated BA BIOLOGY / Doctor of Physical Therapy
112 Credit Minimum**

FIRST YEAR

1st Semester		Credits	2nd Semester		Credits
R120:101	General Biology I	4	R120:102	General Biology II	4
Chem 125	General Chemistry I	3	Chem 124	General Chem. Lab	1
Math 111	Calculus I - GUR	4	Chem 126	General Chemistry II	3
Phys 111	Physics I	3	Phys 121	Physics II	3
Phys 111A	Physics I Lab	1	Phys 121A	Physics II Lab	1
HUM 101	English -GUR	3	HUM 102	English II - GUR	3
Frsh Sem	Freshman Seminar -GUR	0	GUR Elective	Social Science	3
		Total: 18			Total: 18

Summer I	Credits	
R830:101	Principles of Psychology	3
GUR Elective	English and Cultural History	3
		Total: 6

SECOND YEAR

1st Semester		Credits	2nd Semester		Credits
120:201/202	Foundations of Biology	4	R120:340	Mammalian Physiology	4
Chem 243	Organic Chemistry I	3	Elective	Biology	3
Math 105	Probability & Statistics-GUR	3	Chem 244	Organic Chemistry II	3
GUR Elective	HSS Upper Level	3	Chem 244A	Organic Chemistry Lab	2
BNFO 135	Prog. For Bioinformatics I	3	Elective	Free Elective	3
GUR Elective	Physical Education	1	GUR Elective	Physical Education	1
		Total: 17			Total: 16

Summer II	Credits	
Biol 310	PT COOP	3
GUR Elective	Management	3
		Total: 6

THIRD YEAR

1st Semester		Credits	2nd Semester		Credits
R120:285	Comp. Vert. Anatomy	4	Elective	Biology with Lab	3 or 4
Elective	Biology	3	Elective	Biology	3
Elective	Biology	3	Elective	Biology	3
Elective	Technical Elective ¹	3	Elective	Technical Elective ¹	3
Elective	Free Elective	3	GUR Elective	HSS Senior Seminar	3
		Total: 16			Total: 15

Minimum Credits 112

Biology Credits: 35 (including General Biology I, II, and Foundations of Biology)

¹ Technical Electives - Any course in biology chemistry, mathematics or physics beyond what is required for the major. Any course in architecture (except history), environmental science, computer science or engineering.



BIOLOGY ELECTIVES MUST BE CHOSEN AS OUTLINED BELOW:

One course must be taken from A, B, and C

A. ECOLOGY AND EVOLUTION

All courses three credits

Evolution (120:222 & Biol 222)
Ecology & Evolution of Disease (Biol 368)
Plant Ecology (120:270)
Ecology (120:280)
Animal Behavior (120:382)
Neural Basis of Behavior (Biol 383)

B. THE FUNCTIONAL ORGANISM

All courses four credits

Plant Kingdom (120:211)
Biology of Seed Plants (120:230)
Plant Physiology (120:330)
General Microbiology (120:335)
Mammalian Physiology (120:340)
Developmental Biology & Lab (120:342 & 343)

C. MOLECULAR AND CELLULAR MECHANISMS

All courses three credits

Genetics (120:352)
Cell Biology (120:355)
Molecular Biology (120:356)
Biochemistry (120:360 OR Chem 473)

D. MAJORS ARE REQUIRED TO HAVE AT TWO ADDITIONAL LABORATORY OR FIELD COURSES CHOSEN FROM SECTION B ABOVE OR FROM THE LIST BELOW:

Laboratory Courses (4 cr.)

Biology of Invertebrates (120:227)
Comparative Vertebrate Anatomy (120:285)
Taxonomy of Vascular Plants (120:311)
Animal Parasites & Lab (120:325 & 326)
Microanatomy (120:358)
Mycology (120:413)
Plant Growth & Dev. (120:430)
Marine Biology (120:481)

Laboratory Courses (3 cr.)

Ecology of Birds (120:328)
Field Studies in Plant Ecology (120:371)
Field Studies in Animal Ecology (120:381)
Field Ecology (120:380)

Laboratory Courses (2 cr.)

Tropical Field Biology (120:486)

E. THE COURSES LISTED BELOW MAY BE USED TO COMPLETE 35 CREDITS OF BIOLOGY COURSE WORK

All courses three credits unless specified

Insects and Human Society (Biol 225)
Neurobiology (120:346)
Human Ecology (120:365)
Physiology and Medicine (Math 371)
Population Biology (Math 372)
Introduction to Math Biology (Math 373)
Biological Ultrastructure (120:403)
Light & Elect Microscope (120:404)
Cell Physiology & Imaging (Biol 405)
Biological Invasions (120:422)

Computational Neuroscience (Math 430)
Immunology (120:443)
Endocrinology (120:445)
Cellular and Systems Neuroscience (Biol 447)
Cellular Biophysics (120:451) 4 crs.
Molecular Biotechnology (120:452) 4 crs.
Molecular Cell Biology (120:455)
Ecological Physiology (120:471)
Systems Ecology (120:487)
Problems in Biol. BIOL 491-492 (6crs. max.)