



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

FIRST YEAR

1st Semester		Cr.	Sem	Grade
R120:101	General Biology I	4		
Chem 125	General Chemistry I	3		
Math 111	Calculus I - GUR	4		
HUM 101	English -GUR	3		
BNFO 135	Prog. For Bioinformatics I	3		
Frsh Sem	Freshman Seminar -GUR	0		

2nd Semester		Cr.	Sem	Grade
R120:102	General Biology II	4		
Chem 124	General Chem. Lab	1		
Chem 126	General Chemistry II	3		
HUM 102	English II - GUR	3		
R830:101	Principles of Psychology	3		
GUR Elective	Social Science	3		

Summer I		Cr.	Sem	Grade
Biol 310	PT COOP	3		
Biol 410	PT COOP	3		

SECOND YEAR

1st Semester		Cr.	Sem	Grade
120:201/202	Foundations of Biology	4		
Elective	Biology	3		
Chem 243	Organic Chemistry I	3		
Math 105	Probability & Statistics-GUR	3		
GUR Elective	English and Cultural History	3		
GUR Elective	Physical Education	1		

2nd Semester		Cr.	Sem	Grade
R120:340	Mammalian Physiology	4		
Elective	Biology	3		
Chem 244	Organic Chemistry II	3		
Chem 244A	Organic Chemistry Lab	2		
GUR Elective	Physical Education	1		
Elective	Free Elective	3		

Summer II		Cr.	Sem	Grade
GUR Elective	Management	3		
GUR Elective	HSS Upper Level	3		

THIRD YEAR

1st Semester		Cr.	Sem	Grade
R120:285	Comp. Vert. Anatomy	4		
Elective	Biology	3		
Phys 111	Physics I	3		
Phys 111A	Physics I Lab	1		
GUR Elective	HSS Upper Level	3		
Elective	Free Elective	3		

2nd Semester		Cr.	Sem	Grade
Elective	Biology with Lab	3 or 4		
Elective	Biology	3		
Elective	Biology	3		
Phys 121	Physics II	3		
Phys 121A	Physics II Lab	1		
GUR Elective	HSS Senior Seminar	3		

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.)