



Accelerated Six-Year B.A. Biology / Doctor of Physical Therapy
111 Minimum Credits

FIRST YEAR

1st Semester

		Credits
R120:101	General Biology I	4
Chem 125	General Chemistry I	3
Math 111	Calculus I - GUR	4
Phys 111	Physics I	3
Phys 111A	Physics I Lab	1
HUM 101	English I -GUR	3
Frsh Sem	Freshman Seminar -GUR	0

Total: 18

2nd Semester

R120:102	General Biology II	4
Chem 124	General Chem. Lab	1
Chem 126	General Chemistry II	3
Phys 121	Physics II	3
Phys 121A	Physics II Lab	1
HUM 102	English II - GUR	3
GUR Elective	Social Science	3

Total: 18

Summer I

R830:101	Principles of Psychology	3
GUR Elective	English and Cultural History	3

Total: 6

SECOND YEAR

1st Semester

R120:301/302	Foundations of Biology	4
Chem 243	Organic Chemistry I	3
Math 105	Probability & Statistics-GUR	3
CS 101	Computer Programming and Problem Solving	2
GUR Elective	HSS Upper Level	3
GUR Elective	Physical Education - GUR	1

Total: 16

2nd Semester

R120:340	Mammalian Physiology	4
Chem 244	Organic Chemistry II	3
Chem 244A	Organic Chemistry Lab	2
GUR Elective	HSS Upper Level	3
Elective	Free Elective	3
GUR Elective	Physical Education - GUR	1

Total: 16

SUMMER II

BIOL 491	Physical Therapy Internship	3
BIOL 492	Physical Therapy Report	3

Total: 6

THIRD YEAR

1 st Semester		Credits
R120:320	Comparative Vertebrate Anatomy	4
Elective	Biology	3
Elective	Technical Elective ¹	3
GUR Elective	Management	3
Elective	Free Elective	3
		Total: 16
2 nd Semester		
Elective	Biology	3
Elective	Biology	3
GUR Elective	HSS Senior Seminar	3
Elective	Technical Elective ¹	3
Elective	Free Elective	3
		Total: 15

Total Minimum Credits: 111

Biology Credits: 35 (General Biology I, II, Foundations of Biology, Mammalian Physiology, Comparative Vertebrate Anatomy are required)

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

BIOLOGY ELECTIVES MUST BE CHOSEN AS OUTLINED BELOW

A. Ecology and Evolution

All courses three credits

Evolution (120:322)

Plant Ecology (120:370)

Ecology (120:380)

Animal Behavior (120:382)

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 least two additional laboratory courses chosen from section B above or from the list below:

Laboratory Courses (4 cr.)

Taxonomy of Vascular Plants (120:311)
Comparative Vertebrate Anatomy (120:320)
Animal Parasites & Lab (120:325 & 326)
Biology of Invertebrates (120:327)
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 (120:470)

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

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)
Biological Invasions (120:422)
Computational Neuroscience (Math 430)
Immunology (120:443)
Endocrinology (120:445)
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.)