

BIOLOGY MAJOR 2005/06

Premedical Concentration-Physical Therapy Interest

LIBERAL ARTS CORE COURSES

F=Fall S=Spring FS= Fall & Spring
 AA=as announced s.h.=semester hours
 (3x) = take 3 times

*=has prerequisite-check the class below it for details

SL=Service Learning DW=Diverse World

SE=Senior Experience

You must take the following classes:

	Sem.	s.h.
___IDS 499-Major Seminar-each sem	(FS)	1
___IDS 151-Self and Community I	(F)	3
___IDS 152- Self and Community II	(FS)	3
___IDS 111-Writing and Rhetoric I	(F)	3
___IDS 112* Writing and Rhetoric II	(S)	3
*IDS 111 with C or better		
___IDS 211-Civilization Studies I	(F)	3
___IDS 212-Civilization Studies II	(S)	3
___IDS 251-Nature, Tech, and Humanity	(FS)	3

Math Proficiency-3 Semester hours

Take one class:

___MTH 150-151 Precalculus or Calculus I	(FS)	4
___BIO 406-Biostatistics	(F)	3
___PHA 201-Physics I	(F)	4
___PHA 202-Physics II	(S)	4
___PHA 251*Calculus Based Physics I	(AA)	5
*MTH 150		

Science Experience-3 semester hours

Take one class:

___SCI 102-Biological Science	(FS)	3
___SCI 103-Astronomy	(FS)	3
___SCI 105-Intro to Geology	(S)	3
___SCI 107-Environmental Science	(F, S-even)	3
___SCI 111-Intro to Chemistry	(F)	3
___SCI 112-Intro to Physics	(S)	3
___BIO 111-Prin. of Biology: Molecules to Cells	(F)	3
___BIO 112-Prin. of Biology: Organisms to Ecosystems (S)	3	
___PHA 201-Physics I	(F)	4
___CEM 151-General Chemistry I	(F)	4
___BIO 105-Human Biology	(S)	3

Creative Experience-3 Semester hours

Take One Class:

___ART 105-Drawing Skills Lab	(S)	3
___ART 107-Visual Foundations	(FS)	3
___ART 200 level or above studio class	3	
___ENG145-Intro to Creative Writing	(AA)	3
___ENG 245-Fiction Writing	(F)	3
___ENG 247-Poetry Writing	(S)	3
___MUS 110-College Choir (3x)	(FS)	1
___MUS 112-Women's Chorale(3x)	(FS)	1
___MUS 141-Class Piano I (3x)	(F)	1
___MUS 142-Class Piano II (3x)	(S)	1
___MUS 243-Guitar Techniques (3x)	(FS)	1
___THR 111-Acting	(FS)	3

Arts Exploration must be taken outside of the major. If one of these courses is required for your major, you must take a different course to satisfy the requirement.

Arts Exploration:Take One Class:

___ART 101-Image and Culture	(F)	3
___ENG 201-Texts and Culture	(FS)	3
___MUS 120-Music and Culture	(FS)	3
___THR 106-Theatre and Culture	(FS)	3

CLASSES ARE SUBJECT TO CHANGE

BIOLOGY—PRE-MEDICAL STUDIES CONCENTRATION

PHYSICAL THERAPY INTEREST

Major Courses (44 semester hours)

Complete each of the following (35 semester hours):

___BIO 111- Principles of Biology Molecules to Cells	(F)	3
___BIO 112-Principles of Biology-Organisms to Ecosystems	(S)	3
___BIO 207* Microbiology	(S-odd)	3
* SCI 102 or BIO 111 or 112		
___BIO 211-Anatomy and Physiology I	(F)	3
___BIO 212*Anatomy and Physiology II	(S)	3
*BIO 211 with C or better		
___BIO 311* Pathology	(S-even)	3
*BIO 202 or BIO 211/212		
___BIO 401* Cell Biology	(S)	3
* BIO 111 and CEM 151 and 152		
___BIO 404* Genetics	(S)	3
* BIO 111		
___CEM 151-General Chemistry I	(F)	4
___CEM 152* General Chemistry II	(S)	4
* CEM 151 with C or better		
___SCI 421* Senior Seminar in Science SE	(F)	3
* Science major or minor w/ 75 or more semester Hrs.		
Complete 9 semester hours from the following:		
___BIO 150* Introductory Zoology	(S-even)	4
* SCI 102 or BIO 111 or BIO 112		
___BIO 202* Comparative Vertebrate Biology	(AA)	3
* BIO 150; BIO 112 or instructor permission		
___BIO 210* Entomology	(F-odd)	3
* SCI 102 or BIO 112 or instructor permission		
___BIO 216 Ornithology	(summer)	3
___BIO 303* Developmental Biology	(AA)	3
* BIO 111; 112		
___BIO 305-Ethology	(ILT-odd)	3
___BIO 312* Parasitology	(F-even)	3
* BIO 111 OR 112; and recommend BIO 150		
___BIO 313* Plant Ecology	(F-odd)	3
* BIO 111 or 112o or SCI 102 or instr. perm.		
___BIO 403* Environmental Health and Tox.		
Toxicology	(S-odd)	3
* BIO 111; 112 OR SCI 107 OR instr. perm.		
___BIO 406* Biostatistics	(F)	3
* 12 sem. hrs. BIO		
___BIO 415*Research in Biology		1-3
*instructor permission.		
___BIO 418*Independent Study		1-3
*instructor permission		
___CEM 332* Biochemistry I	()	3
*CEM 232		
___CEM 333* Biochemistry II	(F)	3
* CEM 332		
___PE 401*Kinesiology	(FS)	3
* BIO 206 or BIO 211 and 212		
___PSY 345* Fundamentals to Neuroscience	(F-odd)	3
* PSY 201 or BIO 111 or instructor permission.		
___SCI 350 * Gender, Race and Science DW	()	3
* BIO 111and 112 and IDS 111and112		
___SCI 410-Topics in Science	(S)	1-3

NOTE: Students interested in graduate work in physical therapy should consult the school of their choice for a list of required classes.

Typically, in addition to completing the above major courses, should complete precalculus or college algebra and trigonometry, a year of physics with laboratory, exercise physiology a statistics course, and two psychology courses, usually introductory psychology and developmental psychology.

* ___ Complete a class that satisfies the Diverse World requirement (DW).

* ___ Complete a class that satisfies the Service Learning requirement (SL).

* ___ Complete a class that satisfies the Senior Experience requirement (SE).

*Classes for these three requirements may change from year to year-check with the chair of your department.

*Complete an approved minor or electives to reach 120 semester hours.