

BIOLOGY MAJOR 2006/07

LIBERAL ARTS CORE REQUIREMENTS CHECKLIST

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

<u>You must take the following classes:</u>	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	(F)	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)	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 MAJOR REQUIREMENTS

Major requirements (45 s.h.)

Complete each of the following:

___ BIO 111-Principles of Biology-Molecules to Cells	(F)	3
___ BIO 112-Principles of Biology-Organisms to Ecosystems	(S)	3
___ 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

Complete 25 semester hours from the following (at least six semester hours at the 300-level or above:

___ ART 271* Biological Illustration: Fundamental	(FS)	3
___ BIO 150* Introductory Zoology	(S-even)	4
* SCI 102 or BIO 111 or 112		
___ BIO 160* Introductory Botany	(F-even)	4
* SCI 102 or BIO 111 or 112		
___ BIO 202*Comparative Vertebrate Biology	()	4
* BIO 150 or BIO 112 or instructor permission		
___ BIO 204* Evolution		
* SCI 102 or BIO 111 or 112	(S-even)	3
___ BIO 207* Microbiology	(S-odd)	3
* SCI 102 or BIO 111 or 112		
___ BIO 208-General Ecology	(F)	3
___ BIO 210* Entomology	(F-odd)	3
* SCI 102 or BIO 112 or instructor permission		
___ BIO 211-Anatomy and Physiology I	(F)	3
___ BIO 212-Anatomy and Physiology II	(S)	3
* 211 Anatomy and Physiology I with C or better		
___ BIO 216-Ornithology	(SUM)	3
___ BIO 303* Developmental Biology	(S)	3
* BIO 111; 112		
___ BIO 305-Ethology	(ILT-odd)	3
___ BIO 311* Pathology	(S-even)	3
* BIO 202 or BIO 211/ 212 or instructor permission		
___ BIO 312* Parasitology	(F-even)	3
* BIO 111 or BIO 112 or BIO 150		
___ BIO 313* Plant Ecology	(F-odd)	3
* BIO 111 or BIO 112 or SCI 102 or inst. perm.		
___ BIO 401* Cell Biology	(S)	3
* BIO 111 and CEM 151 and 152		
___ BIO 402* Ecosystem Ecology	(ILT-even)	3
* BIO 208 or instructor permission		
___ BIO 403* Environmental Health and Toxicology	(S-odd)	3
* BIO 111; 112 or SCI 107 or instructor permission		
___ BIO 406* Biostatistics	(F)	3
* 12 Sem. Hrs. BIO		
___ BIO 415-Research in Biology instructor permission		1-3
___ BIO 418-Independent Study instructor permission		1-3
SL with instructor permission		
___ BIO 431* Molecular Biology Techniques	()	3
* CEM 332		
___ CEM 332* Biochemistry I	()	3
* CEM 232		
___ CEM 333* Biochemistry II	(F)	3
* CEM 332		
___ ED 322* Methods of Teaching Hands-On Science in the Elementary School	(S)	2
* ED 201, 202 & 203		
___ PSY 345* Fundamentals Neuroscience.	(F-odd)	3
* PSY 201 or BIO 111		
___ SA 307-Biocultural Ecology DW	(AA)	3
___ SCI 350* Gender, Race and Science DW	()	3
* BIO 111; 112; IDS 111;112		
___ SCI 410-Topics in Science	(S)	1-3

* **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 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.