

ENVIRONMENTAL SCIENCE MAJOR

2005/06

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

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
___ CS 140-Computer Science I	(F)	3
___ 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

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 105-Human Biology	(S)	3
___ BIO 111-Prin. of Biology: Molecules to Cells	(F)	3
___ BIO 112-Prin. of Bio: Organisms to Ecosystems	(S)	3
___ PHA 201-Physics I	(F)	4
___ CEM 151-General Chemistry I	(F)	4

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

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Major Requirements (44-48 s.h.)

Complete each of the following:

___ BIO 208-General Ecology	(F)	3
___ BIO 406* Biostatistics	(F)	3
*12 sem. hrs. biology or science		
___ CEM 151-General Chemistry I	(F)	4

___ CEM 152* General Chemistry II	(S)	4
*CEM 151		
___ SA 307-Biocultural Ecology SL	(F)	3
OR		
___ SA 305-People, Resources & the World	(S)	3
___ SCI 105-Introductory Geology	(F)	3
___ SCI 107-Environmental Science	(F, S-even)	3
___ SCI 421* Senior Seminar in Science SE	(S)	3

Complete one from each group:

Basic Biology (3-6 semester hours)

___ SCI 102-Biological Science	(FS)	3
or		
___ BIO 111- Principles of Biology – Molecules to Cells	(F)	3

and

___ BIO 112-Principles of Biology - Organisms to Ecosystems	(S)	3
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Environmental Ecology (3 semester hours)

___ BIO 402* Ecosystems Ecology	(ILT-even)	3
* BIO 208 or inst. perm.		
___ BIO 403* Environmental Health and Toxicology	(S-odd)	3
* BIO 111/112 or SCI 107 or inst. perm.		

Economics (3 semester hours)

___ ECO 201 Principles of Microeconomics	(FS)	3
___ ECO 202 Principles of Macroeconomics	(FS)	3
___ ECO 315* Environmental Economics	(S)	3
*ECO 201 and 202 or inst. perm.		

Geography (3 semester hours)

___ SCI 201-Introduction to Physical Geography	(S)	3
___ GEO 202-North American Geography	(F)	3

Biological Diversity (3-4 semester hours)

___ 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 210* Entomology	(F-odd)	3
*SCI 102 or BIO 112 or inst. perm.		
___ BIO 216 Ornithology	(F-even, Summer)	3
___ BIO 313* Plant Ecology	(F-odd)	3
*BIO 111, 112 or SCI 102 or inst. perm.		

Electives (minimum 3 semester hours)

___ BIO 207* Microbiology	(S-odd)	3
*SCI 102 or BIO 111 or 112		
___ BIO 311* Pathology	(S-even)	3
*BIO 202 or 211/ 212 or inst. perm.		
___ BIO 404* Genetics	(S)	3
*BIO 111		
___ BIO 415* Research in Biology	(AA)	1-3
* Inst. perm.		
___ BIO 418* Independent Study inst. perm.		1-3
___ CEM 332* Biochemistry I	()	3
*CEM 232		
___ COM 102-Fundamentals of Comm.	(FS)	3
___ POS 202-American Government		
– State and Local	(S)	3
___ SCI 302-Environmental Law SL	(AA)	3
___ 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 three requirements may change from year to year-check with the chair of your department.

Complete a minor or electives to reach 120 s.h. for graduation.