

CHEMISTRY SECONDARY TEACHING 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 Precalc. or Calculus I	(FS)	4
____ BIO 406-Biostatistics	(F)	3
____ PHA 201-Physics I	(F)	4
____ PHA-251Calculus 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-Enviromental Science	(F)	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 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	(AA)	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

CHEMISTRY SECONDARY TEACHING MAJOR

Major Courses (40 semester hours)

Complete each of the following:

____ CEM 151-General Chemistry I (F)	4
____ CEM 152* General Chemistry II (S)	4
*CEM 151	
____ CEM 201* Chem. Meas Lab (F-odd)	2
*CEM 221	
____ CEM 202* Inter. Chem. Mea. Lab (S-even)	2
*CEM 201	
____ CEM 221* Analytical Chem. I (F-even)	3
*CEM 151	
____ CEM 231* Organic Chemistry I (F)	4
*CEM 152	
____ CEM 232* Organic Chemistry II (S)	4
*CEM 231	
____ CEM 332* Biochemistry I (S)	3
*CEM 232	
____ CEM 333* Biochemistry II (F-odd)	3
*CEM 332	
____ CEM 341* Chemical Therm. (F)	4
*CEM 152 and MTH 151	
____ *CEM 431 Molecular Biol. Tech.(S)	3
*CEM 333 or inst. permission	
____ MTH 151* Calculus I (FS)	4

Education Courses(28s.h.)

____ ED 201 Foundations of American Education DW	(FS)	2
____ ED 202 Psychology of Human Development and Learning	(FS)	2
____ ED 203 Education of the Exceptional Learner	(FS)	2
____ ED 302*Methods of Teaching Reading in the Secondary School (F)	3	
*ED 201,202,&203		
____ ED 310 *Technology in the Classroom (for students entering Fall 03 forward)(S)	1	
*ED201,202, & 203		
____ ED 396*Teaching Methods in Science (S)	2	
*ED 201,202,&203		
____ ED 402* Secondary Methods SL	(FS)	3
*Must be taken one semester prior to student teaching		
____ ED 408*Observation and Directed Teaching in the Secondary School SE (FS)	14	
*must pass basic skills test, complete all course work and have a 2.5 GPA		

Complete a minor that is approved for secondary education.

CLASSES ARE SUBJECT TO CHANGE