

MATHEMATICS 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
--	------	---

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 105-Human Biology	(S)	3
____BIO 111-Prin. of Bio: Molecules to Cells	(F)	3
____BIO 112-Prin. of Bio: Organ.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

MATHEMATICS SECONDARY TEACHING MAJOR

Major Requirements(30-31 s.h.):

Complete each of the following

____MTH 151* Calculus I	(FS)	4
*MTH 150 with C or better		
____MTH 152* Calculus II	(FS)	4
*MTH 151 with C or better		
____MTH 253* Calculus III	(F)	4
* MTH 152 with C or better		
____MTH 315* Geometry	(F)	3
*MTH 151 with C or better or instructor permission		
____MTH 320* Linear Algebra	(S)	3
*MTH 253		
____MTH 354* Differential Equations	()	3
*MTH 253 or instructor permission		

Complete 3 or 4 semester hours from the following:

____MTH 232-Statistics	(FS)	4
____MTH 241* Probability	(S-even)	3
*MTH 151 or instructor permission		
____MTH 242* Discrete Mathematics	(S-odd)	3
*MTH 151&152 or instructor permission		

Complete 6 semester hours from the following:

____MTH 402* Complex Analysis	()	3
*MTH 253 or instructor permission		
____MTH 405* Advanced Calculus	(S)	3
*MTH 253 or instructor permission		
____MTH 430*Abstract Algebra SE	()	3
*MTH 152 or instructor permission		

Education Courses (28 semester hours)

____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	(S)		1
(for students entering Fall 03 forward)			
*ED201,202, & 203			
____ED 394-Methods of Teaching Mathematics	(S)		2
____ED 402* Secondary Methods	SL	(FS)	3
*Senior standing, completion of 200 & 300 level classes			
____ED 408*Observation and Directed Teaching in the Secondary School	SE	(FS)	14
*must have completed all course work, passed the basic skills test and have a 2.5 GPA.			

Complete a minor that is approved for secondary education.

CLASSES ARE SUBJECT TO CHANGE