

MATHEMATICS 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

____MTH 150-Precalculus	(FS)	4
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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 MAJOR REQUIREMENTS

Complete each of the following(40 s.h.):

____CS 140* Computer Science I	(F)	3	
*MTH 150 may be taken concurrently			
____CS 240* Computer Science II	(S)	3	
*CS 140			
____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 232 Statistics	(FS)	4	
____MTH 253* Calculus III	(F)	4	
*MTH 152 with C or better			
____MTH 320* Linear Algebra	(S)	3	
*MTH 253			
____MTH 354* Differential Equations	()	3	
*MTH 253 or instructor permission			
____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	()	3	
*MTH 152 or instructor permission			

Complete three semester hours from the following:

____MTH 241* Probability	(S-even)	3	
*MTH 151 or instructor permission			
____MTH 242* Discrete Mathematics	()	3	
*MTH 150 & 151 or instructor permission			

* ____ 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 enough electives to
 reach 120 semester hours.

CLASSES ARE SUBJECT TO CHANGE