NORTHERN ARIZONA UNIVERSITY
College of Engineering, Forestry & Natural Sciences

Bachelor of Science
MATHEMATICS (EXTENDED)
Mathematic Emphasis
2010-2011 Undergraduate Catalog

Degree Progression Plan

Freshman Year							
1st term				**2nd term**			
MAT 136	Calculus I	4		MAT 137	Calculus II	4	
MAT 123	First Year Seminar	1		MAT 226	Discrete Mathematics	3	
DIV	Diversity	3		CS 122	Programming for Engineering & Science (SCI: SAS) *	3	
LS	Liberal Studies	3		ENG 105	Critical Reading and Writing (FNRQ)	4	
GE	General Elective	3					
NAU 100	Transition to College	1					
	Total units	15			Total units	14	
Sophomore Year							
3rd term				**4th term**			
MAT 238	Calculus III	4		MAT 320W	Foundations of Math	3	
MAT 316	Intro Linear Algebra	3		ME	Major Elective **	3	
DIV	Diversity	3		*LS*	Liberal Studies	4	
LS	Liberal Studies	3		*LS*	Liberal Studies	3	
GE	General Elective	3		*GE*	General Elective	2	
	Total units	16			Total units	15	
Junior Year							
5th term				**6th term**			
MAT 411C or MAT 431C	Intro to Abstract Algebra OR Intro to Analysis I	3		ME	Major Elective **	3	
STA 473C	Introduction to Math Statistics I	3		ME	Major Elective **	3	
ME	Major Elective **	3		*LS*	Liberal Studies	3	
LS	Liberal Studies	3		*GE*	General Elective	3	
GE	General Elective	3		*GE*	General Elective	3	
	Total units	15			Total units	15	
Senior Year							
7th term				**8th term**			
MAT 411C or MAT 431C	Intro to Abstract Algebra OR Intro to Analysis I	3		ME	Major Elective **	3	
ME	Major Elective **	3		ME	Major Elective **	3	
MAT 485	Undergraduate Research	3		*LS*	Liberal Studies	3	
LS	Liberal Studies	3		*GE*	General Elective	3	
GE	General Elective	3		*GE*	General Elective	3	
	Total units	15			Total units	15	

Liberal Studies Distribution blocks

AHI (6 units)	SPW (6 units)	CU (6 units)	Science (7 units)	Additional 3 units to reach 32 total
			CS 122 (3)	

Revised 1/26/2010

PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

Be aware that some courses (especially 300 & 400 level courses) are only offered once a year (fall only or spring only). These courses may be pre-requisites for future courses. Check with your department for a current course rotation.

The math foundation requirement for this major is waived.

You must have a grade of C or better in each mathematics or statistics course that is used to fulfill the requirements for this major.

* If you complete a minor in Computer Science, CS 122 is not required, and another liberal studies course is needed.

** Major Electives include 21units from:

- 3 units from MAT 239, 318, 365 or 442C
- 6 units from MAT 412C, 441C or STA 474C
- 12 additional units from MAT 239 or MAT/STA courses numbered 300 or above (except MAT 301, 302, 401 and 402)

GENERAL INFORMATION

- This degree progression plan is to be used in conjunction with the academic catalog and degree progress report.
- Students should see an academic advisor regularly to confirm their academic progress.
- Students must see an academic advisor before enrollment for the 7th term in preparation for graduation.
- Many courses have pre-requisites. Please check the academic catalog for pre-requisite and placement information.
- Submit graduation application during 7th term.
- Honors students complete different requirements to meet NAU's liberal studies program. Students should consult an Honors Program advisor for complete information on fulfilling Honors Liberal Studies requirements.
- All students are required to complete at least 120 total units which includes:
    - 35 units of liberal studies courses: http://www4.nau.edu/aio/LScourselist.htm
    - 6 units of diversity courses: (3 units in Global & 3 units in Ethnic): http://www4.nau.edu/aio/DiversityCourseList.htm
    - 30 units of upper division courses (300-400 level), 18 of these units must be taken at NAU

- English placement: http://testing.nau.edu/exams/placement.html
- Math placement: http://www.cefns.nau.edu/Academic/Math/studentInformation/Placement/Placement.shtml

CONTACT INFORMATION

Mathematics Department
Building 26, Room 105
Phone: 928-523-3481
Department Chair: Janet McShane
Phone: 928-523-1252
Email: Janet.McShane@nau.edu

Debbie Wildermuth
Academic Services Coordinator
College of Engineering, Forestry & Natural Sciences
Building 21, Room 102
Phone: 928-523-3842
EMAIL: Debbie.Wildermuth@nau.edu