NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science
MATHEMATICS (EXTENDED)
Mathematic Emphasis
2006-2007 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	Intro to Programming (SAS) *	3	
LS	Liberal Studies	3		ENG 105	Critical Reading and Writing (FNRQ)	4	
GE	General Elective	3					
FYE 101	First Year Experience	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	

- 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.

PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

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

- 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/Articulation/LScourselist.htm
  - 6 units of diversity courses: (3 units in Global & 3 units in Ethnic): The diversity requirement may be fulfilled in any part of the program of study.
    http://www4.nau.edu/aio/Articulation/DiversityCourseList/htm
  - 30 units of upper division courses (300-400 level), 18 of these units must be taken at NAU
- English placement: http://www.nau.edu/comp/placement.html
- Math placement: http://www.math.nau.edu/placement.html

CONTACT INFORMATION

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