NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science
MATHEMATICS (EXTENDED)
Actuarial Emphasis
2005-2006 Undergraduate Catalog

8-Term 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	
Diversity		3		CS 122/123/126	Computer course (SAS if taking CS 122)	3	
Liberal Studies		3		ENG 105	Critical Reading and Writing (FNRQ)	4	
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 239	Differential Equations	3	
MAT 316	Intro Linear Algebra	3		MAT 320W	Foundations of Math	3	
ACC 255	Principles of Accounting: Financial	3		ACC 256	Principles of Accounting: Managerial	3	
STA 270	Applied Statistics	3		Liberal Studies	(LS)	4	
Liberal Studies		3		Liberal Studies		3	
	Total units	16			Total units	16	

Junior Year

5th term				6th term			
MAT 411C or MAT 431C	Intro to Abstract Algebra OR Intro to Analysis I	3		MAT 467 or MAT 480	Operations Research or Math of Finance Modeling	3	
STA 473C	Introduction to Math Statistics I	3		STA 474C	Intro to Math Statistics II	3	
Diversity		3		Liberal Studies	(General Elective if CS 122 was taken)	3	
Liberal Studies		3		General Elective		3	
General Elective		3		General Elective		3	
				Meet with advisor prior to enrolling in 7th term			
	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		MAT 467 or MAT 480	Operations Research or Math of Finance Modeling	3	
STA 471	Regression Analysis	3		MAT 362	Intro to Numerical Analysis	3	
Liberal Studies		3		Liberal Studies		3	
General Elective		3		General Elective		3	
General Elective		3		General Elective		2	
Submit graduation application during 7th term							
	Total units	15			Total units	14	

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.

GENERAL INFORMATION

- This 8-term plan is to be used in conjunction with the academic catalog and degree audit report.
- 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.
- 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.
- 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/master.html?http://www.math.nau.edu/odin.html

CONTACT INFORMATION

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