NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science in Education
MATHEMATICS SECONDARY EDUCATION
(I-STEP)

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		STA 270	Applied Statistics	3	
LS	Liberal Studies	3		EDF 200	Intro to Education	3	
LS	Liberal Studies	3		ENG 105	Critical Reading / Writing (FNRQ)	4	
LS/ DIV	Liberal Studies/Diversity ****	3		*LS*	Liberal Studies	3	
FYE 101	First Year Experience	1					
	Total units	15			Total units	17	
Sophomore Year							
3rd term				**4th term**			
MAT 226	Discrete Mathematics	3		MAT 320W	Foundations of Math	3	
ME	Major Elective *	3		ME	Major Elective *	3	
CS 122	Intro to Programming (SAS) ***	3		EPS 325	Ed Psychology of Secondary Education	3	
LS	Liberal Studies	4		POS 220	Federal & AZ Constitution **	3	
GE	General Elective	2		*DIV*	Diversity	3	
	Total units	15			Total units	15	
Junior Year							
5th term				**6th term**			
MAT 301	Intro to Teaching Secondary School Math	3		MAT 401	Methods for Teaching Math I	3	
MAT 365	Modern Geometry	3		MAT 318	Elemental Number Theory	3	
MAT 411C or MAT 431C	Intro to Abstract Algebra or Intro to Analysis	3		MAT 442C	History & Philosophy of Math	3	
LS	Liberal Studies	3		*LS*	Liberal Studies	3	
LS	Liberal Studies	3		*GE*	General Elective	3	
Apply to teacher education program							
	Total units	15			Total units	15	
Senior Year							
7th term				**8th term**			
MAT 402	Methods for Teaching Math II	3		ECI 495C	Supervised Teaching	12	
ECI 308	Teaching Practicum	1					
ECI 322	Secondary School Curriculum	3					
BME 437	SEI Methods in Secondary Schoool	3					
ECI 450	High School Teaching Methods	3					
ECI 465	Evaluation of Learning	3					
	Total units	16			Total units	12	

- 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.

I-STEP is a one-term integrated secondary teacher education plan completed during term 7

The math foundation requirement for this major is waived.

* Major electives include 6 units of MAT or STA courses numbered 238 or higher.

**POS 220 or (POS 110 & 241) are not required courses, but will satisfy the Arizona certification requirement for federal and Arizona constitution. You may meet this requirement by demonstrating proficiency on a special exam.

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

**** Take a Liberal Studies course that also satisfies a Diversity course.

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.

You must have a grade point average of at least 2.5 in all of your NAU coursework in order to graduate.

You must have a grade of at lest a B for the English foundation requirement (ENG 105 or equivalent.) If you don't receive a 3.0, you may complete an additional writing course at the 200 level or above with at least a B to meet this requirement.

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

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 and Natural Sciences
Building 21, Room 102
Phone: 928-523-3842
EMAIL: Debbie.Wildermuth@nau.edu