

**Northern Arizona University**  
**Bachelor of Science in Education in Mathematics**  
**Degree Plan 2005-2006**

Student's Name \_\_\_\_\_

NAU ID: \_\_\_\_\_

Advisor's Name \_\_\_\_\_

Date Admitted to Program: \_\_\_\_\_

The degree plan used by the student must be the one in effect at the time the student entered the specific **major program**, or later version, regardless of when the student entered NAU.

Students must confer with their assigned advisors at least once each term to ensure proper course selection and fulfillment of requirements.

**PART ONE: MAJOR REQUIREMENTS**

Required courses (44 units)							
Course	Title	Units	Sem. Taken	Course	Title	Units	Sem. Taken
MAT 136	Calculus I.	4		MAT 301	Intro Sec. Math. Teaching	3	
MAT 137	Calculus II.	4		MAT 401	Sec. Math. Teaching I.	3	
MAT 226	Discrete Mathematics	3		MAT 402	Sec. Math. Teaching II.	3	
STA 270	Applied Statistics	3		One of MAT 411C or MAT 431C			
MAT 318	Elem. Number Theory	3				3	
MAT320W	Foundations of Math	3		6 units MAT/STA courses numbered 238 or above			
MAT 365	Modern Geometry	3				3	
MAT 442C	History/Phil. of Math	3				3	
<b>TOTAL MATHEMATICS / STATISTICS UNITS 44 OR MORE</b>							

**PART TWO: TEACHER-PREPARATION REQUIREMENTS**

Required courses (31 units)							
Course	Title	Units	Sem. Taken	Course	Title	Units	Sem. Taken
EDF 200	Intro to Education	3		MAT 302	Math Ed Practicum	1	
EPS 325	Ed Psy In MdSch&SecEd	3		ECI 450	High School Teach Method	3	
ECI 322	Sec. School Curriculum	3		ECI 465	Evaluation of Learning	3	
ECI 350	Diversity, Tech. and Lit.	3		ECI 495C	Supervised Teaching-Sec	12	
<b>TOTAL PROFESSIONAL UNITS 31 OR MORE</b>							

**PART THREE: LIBERAL STUDIES REQUIREMENTS (32 units) \*, \*\***

I. Foundation requirements (4 units)				II. Liberal Studies Elective (3 units)			
Course	Title	Units	Sem. Taken	Course	Title	Units	Sem. Taken
ENG 105	Critical Reading	4					
III. Distribution Requirements (25 units)***							
a. Aesthetic and Humanistic Inquiry (3-6 units)				b. Cultural understanding (3-6 units)			
c. Science and Applied Science (3-6 units)				d. Social and Political Worlds (3-6 units)			
e. Lab Science (4 units)							
				<b>TOTAL LIBERAL STUDIES UNITS (32 units or more)</b>			

**PART FOUR: UNIVERSITY REQUIREMENTS**

<b>I. Junior Level Writing Requirement Completed</b>				<b>II. Senior Capstone completed</b>			
<b>III. Ethnic diversity requirement (3 units)</b>				<b>IV. Global diversity requirement (3 units)</b>			
Course	Title	Units	Sem. Taken	Course	Title	Units	Sem. Taken
<b>TOTAL UNIVERSITY UNITS</b>							

**PART FIVE: ELECTIVES**

Course	Title	Units	Sem. Taken	Course	Title	Units	Sem. Taken
<b>TOTAL ELECTIVE UNITS</b>							

<b>TOTAL UNITS (PARTS ONE THROUGH FIVE) (minimum of 120)</b>	
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Verified:

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Advisor's Name (print)

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Chair's Name (print)

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Advisor's signature

\_\_\_\_\_

Chair's Signature

- **Formal admittance to this program requires a "C" or higher in MAT 136**
- **A grade of "C" or higher is required in each mathematics/statistics course applied toward this major.**
- **At least 30 units of the courses taken for this degree must be upper-division courses (300 and above).**
- **Some courses may meet more than one requirement; however the student must meet the total of at least 120 units to graduate.**
- **Student must take at least 30 units through NAU, of which at least 18 must be upper-division units.**
- **Student must have a GPA of at least 2.5 and a grade of B or better for the English foundation requirement in order to graduate.**
- **Students in this program should carefully plan their last two semesters, especially education requirements and student teaching well in advance. It is normally not possible to take other courses during the student teaching semester. Also, certain required courses are offered only once each year.**

\* The usual 35 hours for Liberal studies are reduced to 32 for Mathematics Majors, who are exempt from the three-hour Mathematics foundation requirement.

\*\* List of qualifying courses in each category can be found at: <http://www4.nau.edu/aio/Articulation/LScourcelist.htm>

\*\*\* Students must take the maximum hours in 3 of the 4 variable (3-6 hour) distribution blocks: Aesthetic and Humanistic Inquiry, Cultural Understanding, Science/Applied Science, Social and Political Worlds.