

Degree Progression Plan

| Freshman Year | | | | | | | | | |
|------------------------------|---|---|--|--|---|--|----|--|--|
| 1 st term | | | | | 2 nd term | | | | |
| MAT 136 | Calculus I | 4 | | | MAT 137 | Calculus II | 4 | | |
| MAT 123 | First Year Seminar | 1 | | | MAT 226 | Discrete Mathematics | 3 | | |
| TSM 101 | Step 1: Inquiry Approaches to Learning | 1 | | | ENG 105 | Critical Reading / Writing (FNRQ) | 4 | | |
| LS/ DIV | Liberal Studies/Diversity **** | 3 | | | CS 122 | Programming for Engineering & Science (SCI: SAS) *** | 3 | | |
| LS | Liberal Studies * | 3 | | | TSM 102 | Step 2: Inquiry-Based Lesson Design | 1 | | |
| GE | General Elective | 3 | | | | | | | |
| NAU 100 | Transition to College | 1 | | | | | | | |
| Total units | | | | | Total units | | | | |
| | | | | | | | | | |
| Sophomore Year | | | | | | | | | |
| 3 rd term | | | | | 4 th term | | | | |
| STA 275 | Statistical Analysis | 3 | | | MAT 320W | Foundations of Mathematics | 3 | | |
| ME | Major Elective ** | 3 | | | MAT 185 | Functions, Applications & Explorations | 3 | | |
| TSM 300 | Knowing and Learning | 3 | | | TSM 350 | Classroom Interactions | 3 | | |
| LS | Liberal Studies (Lab Science) | 4 | | | LS | Liberal Studies | 3 | | |
| LS | Liberal Studies | 3 | | | GE | General Elective | 3 | | |
| Apply to NAUTeach Program | | | | | | | | | |
| Total units | | | | | Total units | | | | |
| | | | | | | | | | |
| Junior Year | | | | | | | | | |
| 5 th term | | | | | 6 th term | | | | |
| MAT 401 | Methods for Teaching Secondary School Mathematics I | 3 | | | MAT 402 | Methods for Teaching Secondary School Mathematics II | 3 | | |
| MAT 365 | Modern Geometry | 3 | | | MAT 318 | Elementary Number Theory | 3 | | |
| ME | Major Elective ** | 3 | | | MAT 442C | History & Philosophy of Mathematics | 3 | | |
| BME 300 | Intro to Structured English Immersion | 3 | | | TSM 404 | Research Methods | 3 | | |
| LS/DIV | Liberal Studies/Diversity**** | 3 | | | LS | Liberal Studies | 3 | | |
| | | | | | Attempt AEPA Mathematics Subject Knowledge Test | | | | |
| Total units | | | | | Total units | | | | |
| | | | | | | | | | |
| Senior Year | | | | | | | | | |
| 7 th term | | | | | 8 th term | | | | |
| MAT411C or MAT 431C | Intro to Abstract Algebra or Intro to Analysis | 3 | | | TSM 495C | Apprentice Teaching | 12 | | |
| TSM 450 | Project-Based Instruction | 3 | | | TSM 496C | Seminar | 1 | | |
| BME 437 | SEI Methods in Secondary School | 3 | | | | | | | |
| LS | Liberal Studies | 3 | | | | | | | |
| GE | General Elective | 3 | | | | | | | |
| Apply to Apprentice Teaching | | | | | | | | | |
| Total units | | | | | Total units | | | | |
| | | | | | | | | | |

Total Credits: 120

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) *** | |
| | | | | |

PROGRAM INFORMATION

A minimum of 120 units are required for this degree. A grade of C or better is required for all MAT/STA courses.

The Liberal Studies Mathematics foundation requirement for this major is waived.

* PSY 101 Introduction to Psychology (SPW) is recommended

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

*** 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 requirement.

NAUTeach Program Admission:

In order to take NAUTeach courses beyond TSM 300, you must be admitted to the NAUTeach Program. Program acceptance is required before enrolling in TSM 350. Admission requirements are as follows:

- Completion of TSM 101 and 102 with a grade of C or better.
- Enrollment in TSM 300 Knowing and Learning.
- Copy of fingerprint clearance card OR verification of application for fingerprint card.
- Completion of 30 units of coursework which includes:
 - a grade of at least B for the English foundation requirement (ENG 105 or ENG 101 & 102). If you don't receive a 3.0, you may complete an additional English writing course, at the 200 level or above, with at least a B, to meet this requirement.
 - a grade of at least C for the Mathematics foundation requirement (MAT 125, 136, or equivalent).
 - completion of at least three units of content major work.
- A minimum grade point average of 2.5 in all content major course work.
- A declared science or mathematics B.S.Ed. major.
- Completion of the NAUTeach program application form.

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

See catalog for additional information regarding application for Apprentice Teaching.

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 (32 for mathematics majors as the Mathematics Foundation requirement is waived): <http://www4.nau.edu/aio/Articulation/LScourcelist.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>
- Mathematics placement: <http://www.cefns.nau.edu/Academic/Math/studentInformation/Placement/Placement.shtml>

CONTACT INFORMATION

Department of Mathematics and Statistics

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