

Bachelor of Science MATHEMATICS (EXTENDED)

Statistics Emphasis 2009-2010 Undergraduate Catalog

Degree Progression Plan

| | | Fresl | ıman Year | | | |
|-------------------------|---|-------|--------------------------------|---|----|--|
| | 1 st term | | 2 nd term | | | |
| MAT 136 | Calculus I | 4 | MAT 137 | Calculus II | 4 | |
| MAT 123 | First Year Seminar | 1 | ENG 105 | Critical Reading and Writing (FNRQ) | 4 | |
| DIV | Diversity | 3 | CS 122 | Programming for Engineering & Science (SCI: SAS) ** | 3 | |
| LS | Liberal Studies | 3 | LS | Liberal Studies | 3 | |
| GE | General Elective | 3 | | | | |
| NAU 100 | Transition to College | 1 | | | | |
| | Total unit | s 15 | | Total units | 14 | |
| | | Sopho | omore Year | | | |
| 3 rd term | | | 4 th term | | | |
| MAT 238 | Calculus III | 4 | MAT 226 | Discrete Mathematics | 3 | |
| MAT 316 | Intro Linear Algebra | 3 | MAT 320W | Foundations of Math | | |
| STA 270 or STA 275 | Applied Statistics or Statistical Analysis | 3 | STA 371 or LS | Intermediate Statistics or Liberal Studies | | |
| DIV | Diversity | 3 | LS | Liberal Studies | 3 | |
| GE | General Elective | 3 | LS | Liberal Studies | 3 | |
| | Total unit | s 16 | | Total units | 15 | |
| | | Jur | nior Year | | | |
| | 5 th term | | | 6 th term | | |
| MAT 411C or MAT 431C | Intro to Abstract Algebra or Intro to Analysis I | 3 | STA 474C | Intro to Math Statistics II | 3 | |
| STA 473C | Introduction to Math Statistics I | 3 | STA 477 or ME | Time Series Analysis or Major Elective * | 3 | |
| STA 471 or STA 472 | Regression Analysis or Nonparametric Statistics | 3 | STA 371 or LS | Intermediate Statistics or Liberal Studies | | |
| LS | Liberal Studies | 3 | LS | Liberal Studies | | |
| GE | General Elective | 3 | GE | General Elective | 3 | |
| | Total unit | s 15 | | Total units | 16 | |
| | | Sen | ior Year | | | |
| | 7 th term | | | 8 th term | | |
| MAT 411C or MAT 431C | Intro to Abstract Algebra or Intro to Analysis I | 3 | STA 477 or ME | Time Series Analysis or Major Elective * | 3 | |
| STA 471 or STA 472 | Regression Analysis or Nonparametric Statistics | 3 | STA 485, MAT 485 or MAT 480 | Undergraduate Research or Math of Finance Modeling | 3 | |
| LS | Liberal Studies | 3 | GE | General Elective | 3 | |
| GE | General Elective | 3 | GE | General Elective | 3 | |
| GE | General Elective | 3 | GE | General Elective | 2 | |
| | Total unit | s 15 | | Total units | 14 | |

Liberal Studies Distribution blocks

| AHI (6 units) | SPW (6 units) | CU (6 units) | Science (7 units) | Additional 3 units | |
|---------------|---------------|--------------|-------------------|--------------------|--|
| | | | CS 122 (3) | to reach 32 total | |
| | | | | | |

Page 1 of 2 Revised 1/21/2009

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.

- * Major Electives include 3 units of additional courses from MAT 239 or MAT/ STA courses 300 or above (except MAT 301, MAT 302, MAT 401 or MAT 402)
- ** If you complete a minor in Computer Science, CS 122 is not required, and another liberal studies course is needed.

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: 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.cefns.nau.edu/Academic/Math/studentInformation/Placement/Placement.shtml

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, Forestry & Natural Sciences Building 21, Room 102

Phone: 928-523-3842

EMAIL: Debbie.Wildermuth@nau.edu

Page 2 of 2 Revised 1/21/2009