

**Northern Arizona University
Bachelor of Science in Mathematics
Degree Plan 2016-2017**

NAU ID: _____

NAU ID: _____

Advisor's Name _____

NAU email: _____

PART ONE: MAJOR REQUIREMENTS (51 units with a Grade of "C" or better in each mathematics or statistics course)

| Required courses (42 units) | | | | | | | |
|---|----------------------------|-------|----------|-----------------------------------|--------------------------------------|-------|----------|
| Course | Title | Units | Semester | Course | Title | Units | Semester |
| MAT 136 | Calculus I. | 4 | | MAT 411 | Intro Abstract Algebra | 3 | |
| MAT 137 | Calculus II. | 4 | | MAT 431 | Intro Analysis | 3 | |
| One of MAT 220 or MAT 226 | | | | STA 473 | Intro Math Stat | 3 | |
| | | 3 | | One of MAT 412C, 441C, STA 474C** | | | |
| MAT 238 | Calculus III. | 4 | | | | 3 | |
| STA 275* | Statistical Analysis | 3 | | CS 122/L++ | Programming for Engineering and Sci. | 3 | |
| MAT 316 | Intro Linear Algebra | 3 | | ENG 305W | Writing in the Disciplines† | 3 | |
| MAT320W+ | Foundations of Mathematics | 3 | | | | | |
| Additional math/stat courses (9 units) from MAT 220, 226, 239 or MAT/STA courses 300 and above (except MAT 302, 401, 402, 405, 406) | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| TOTAL MAJOR REQUIREMENTS UNITS (51 or more) | | | | | | | |

* Mathematics majors should take STA 275, but if you already have credit in STA 270, such as AP or transfer credit, then that course will meet this requirement.

† Or MAT 320; ENG 305W is the junior level writing course for this major beginning with the 2015-2016 catalog.

** NAU's senior capstone requirement is fulfilled by one of the sequences MAT 411-412C, 431-441C, or STA 473-474C.

++If you complete a minor or a major in computer science, you may add 3 units to your general electives instead.

PART TWO: LIBERAL STUDIES REQUIREMENTS (32 units*)

| I. Foundation requirements (4 units) | | | | II. Liberal Studies Elective (3 units – additional course in one block) | | | |
|---|------------------|-------|----------|---|-------|-------|----------|
| Course | Title | Units | Semester | Course | Title | Units | Semester |
| ENG 105 | Critical Reading | 4 | | | | | |
| III. Distribution Requirements (25 units) | | | | | | | |
| a. Science (must include one lab science) (7 units) | | | | b. Aesthetic and Humanistic Inquiry (6 units) | | | |
| | | | | | | | |
| | | | | | | | |
| c. Cultural understanding (6 units) | | | | d. Social and Political Worlds (6 units) | | | |
| | | | | | | | |
| | | | | | | | |
| TOTAL LIBERAL STUDIES UNITS (32 UNITS OR MORE) | | | | | | | |

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

PART THREE: UNIVERSITY REQUIREMENTS

| I. Junior Level Writing Requirement Completed | | | | II. Senior Capstone completed | | | |
|---|-------|-------|----------|--|-------|-------|----------|
| | | | | | | | |
| III. Ethnic diversity requirement (3 units) | | | | IV. Global diversity requirement (3 units) | | | |
| Course | Title | Units | Semester | Course | Title | Units | Semester |
| | | | | | | | |
| TOTAL UNIVERSITY UNITS | | | | | | | |

PART FOUR: GENERAL ELECTIVES

| Course | Title | Units | Semester | Course | Title | Units | Semester | |
|-----------------------------|-------|-------|----------|--------|-------|-------|----------|--|
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| TOTAL ELECTIVE UNITS | | | | | | | | |

| | |
|-------------------------------------|--|
| TOTAL UNITS (minimum of 120) | |
|-------------------------------------|--|

Verified: _____
 Advisor (print name) Advisor signature Date

 Chair (print name) Chair signature Date

Notes:

- Some courses may meet more than one requirement; however the student must meet the total of at least 120 distinct units to graduate.
- If your academic catalog is 2014-2015 or later, up to 9 units of major prefix courses may be used to satisfy Liberal Studies requirements; these same courses may also be used to satisfy major requirements. Courses used for the liberal studies distribution requirements can have the same prefix as your minor.
- Make sure to choose classes from the approved list of ethnic and global diversity approved courses with the help of an academic adviser. These requirements may be fulfilled in any part of the your program of study.
- At least 30 units of the courses taken for this degree must be upper-division courses (300 and above).
- You must take at least 30 units through NAU, of which at least 18 must be upper-division units.
- You must have a cumulative grade point average of at least 2.0 on all work attempted at Northern Arizona University to graduate with this degree.