BACHELOR OF ARTS in Mathematics

Name: ______________________________________  Student ID: _______________________

**CORE COURSES**

- MATH 129
- MATH 223
- MATH 313
- MATH 323
- MATH 223
- MATH 355
- MATH 122A & B or 125
- MATH 313

**OPTIONS**

### Computer Science

- One of the following sequences:
  - MATH 415A & 415B
  - MATH 464 & 466
  - MATH 475A & 475B

- Two of the following:
  - MATH 413
  - MATH 443
  - MATH 445
  - MATH 446
  - MATH 447
  - MATH 448

- Fifth 400-level course

### Education

- MATH 422
- MATH 464
- MATH 485

- MATH 310 or 413
- MATH 404
- MATH 425A & 425B

- Two of the following:
  - MATH 413
  - MATH 425B
  - MATH 465
  - MATH 466
  - MATH 468

- Fifth 400-level course

### Comprehensive*

- MATH 413
- MATH 424
- MATH 425A & 425B

- MATH 415A & 415B
- MATH 454 & 456

### Life Sciences

- MATH 422
- MATH 464
- MATH 485

- MATH 310 or 413
- MATH 454 or 456
- MATH 466 or 468

- Fifth 400-level course

### Economics or Business

- MATH 425A
- MATH 464
- MATH 413
- MATH 425B
- MATH 465
- MATH 466

- Fifth 400-level course

### Probability & Statistics*

- MATH 425A
- MATH 464 & 466
- MATH 413 or 468

- Fifth 400-level course

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### *MINOR Requirement

Most minors require 18 units, of which 9 are upper division.

### General/Applied*

- MATH 422
- MATH 485

- MATH 454 & 456
- MATH 464 & 466
- MATH 475A & 475B

### Fifth 400-level course

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1. The Bachelor of Arts degree requires fourth-semester proficiency in a second language. Science: 2 Tier One and 1 Tier Two NATS (Natural Science) courses fulfill the science requirement. Upper division (300-400 level) units: 42 required. See Advisement Report (ADVIP) for details.
2. These courses are recommended for most math majors. Other courses that can be used are: CSC 227, ECE 175, MIS 301, MSE 350, and PHYS 305. These latter courses may have additional eligibility criteria.
3. MATH 313 replaces MATH 215 as of fall semester 2015. Students who completed MATH 215 prior to fall 2015 or who have transfer credit equivalent to MATH 215 will still fulfill this requirement, though they will not earn upper-division credit for the course.
4. This 400-level course is to be selected with approval from your math faculty advisor; the advisor should either email approval to the Math Center to be marked in the advisement report or list it on the degree check form. At least 15 units of 400-level MATH course work are required for the major.
5. The Economics/Business option requires an Economics, Finance, or Business Administration minor, or a Thematic minor with an Economics, Finance, or Business Administration emphasis (approved by your major advisor).
6. The pedagogy courses within the Mathematics Education option replace the minor requirement for this option. No additional minor is required.
7. The Computer Science option requires a Computer Science minor.
8. The Life Sciences option requires a minor in a Life Sciences study area (consult with your major advisor).

*All options except Education require a minor; the General/Applied, Comprehensive, and Probability & Statistics options allow a minor in any subject. The minor should be selected in consultation with faculty advisor. Double-dipping between the math major and a minor is NOT permitted, with the one exception of the introductory programming course, which may also be used in a minor. Double majors are not required to have a minor. If pursuing a double degree, consult with your major advisor regarding UA requirements.