# Bachelor of Arts in Mathematics

Name: ________________________________    Student ID: ______________________

## Core Courses
- _____ MATH 122A & B or 125
- _____ MATH 129
- _____ MATH 223
- _____ MATH 313
- _____ MATH 323
- _____ MATH 355

## Supporting Programming Course:
- _____ CSC 110 or ISTA 130 or ECE 175 or CHEE 205

## Emphases

### Comprehensive
- _____ MATH 413
- _____ MATH 424
- _____ MATH 425A & 425B
- One of the following sequences:
  - _____ MATH 415A & 415B
  - _____ MATH 454 & 456
- Fifth 400-level course

### Applied
- _____ MATH 422
- _____ MATH 485 or 481
- One of the following sequences:
  - _____ MATH 454 & 456
  - _____ MATH 464 & 466
  - _____ MATH 475A & 4XX
- Fifth 400-level course

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

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<th>Minor Courses:</th>
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### Computer Science
- One of the following sequences:
  - _____ MATH 415A & 415B
  - _____ MATH 464 & 466
  - _____ MATH 475A & 4XX
- Two of the following courses:
  - _____ MATH 413
  - _____ MATH 443
  - _____ MATH 445
  - _____ MATH 446
  - _____ MATH 447
  - _____ CSC 473
- Fifth 400-level course

### Economics or Business
- _____ MATH 425A
- _____ MATH 464
- Two of the following courses:
  - _____ MATH 413
  - _____ MATH 425B
  - _____ MATH 462
  - _____ MATH 466
  - _____ MATH 468
- Fifth 400-level course

### Education
- _____ MATH 315
- _____ MATH 330
- _____ MATH 361
- _____ MATH 404
- _____ MATH 407
- _____ MATH 205
- _____ EDP 301
- _____ SERP 400
- _____ LCEV 408 or TLS 416
- _____ TLS 435
- _____ MATH 406A & 406B
- _____ MATH 494C

### Probability & Statistics
- _____ MATH 425A
- _____ MATH 464 & 466
- _____ MATH 413 or 468
- 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 120 or 250, MIS 301, NSCS 311, or PHYS 305. These latter courses may have additional eligibility criteria. 3MATH 313 replaced 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. All emphases except Education require a minor; the Applied, Comprehensive, and Probability & Statistics emphases allow a minor in any subject. The minor should be selected in consultation with faculty advisor. Double-dipping between the math major and the minor is NOT permitted. Double majors are not required to have a minor. If pursuing a double degree, consult with your major advisor regarding UA requirements. The Computer Science emphasis requires a Computer Science minor. The Economics/Business emphasis requires a minor related to Economics, Finance, or Business; see handbook for a list of options. The Life Sciences emphasis requires a minor in a Life Sciences area. This 400-level course is to be selected with approval from your math faculty advisor. See handbook for pre-approved list. At least 15 units of 400-level MATH course work are required for the major. The pedagogy courses within the Mathematics Education emphasis replace the minor requirement. No additional minor is required. A variety of courses can be used to complete the numerical analysis sequence. Consult your advisor for details.