BACHELOR OF ARTS in Mathematics

Name: ________________________________    Student ID: ______________________

CORE COURSES

_____ MATH 122A & B or 125
_____ MATH 129
_____ MATH 223
_____ MATH 313
_____ MATH 323
_____ MATH 331
_____ MATH 355

SUPPORTING PROGRAMMING COURSE:

_____ CSC 110 or ISTA 130

EMPHASES

Comprehensive

_____ MATH 413
_____ MATH 424
_____ MATH 425A & 425B
One of the following sequences:

_____ MATH 415A & 415B
_____ MATH 454 & 456

Applied

_____ MATH 422
_____ MATH 485
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. Minor Courses:

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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

Life Sciences

_____ MATH 422
_____ MATH 464
_____ MATH 485
_____ MATH 454 or 456
_____ MATH 466 or 468

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.

2These courses are recommended for most math majors. Other courses that can be used are: CSC 120, 127A, or 227, ECE 175, MIS 301, and 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. 4All 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 a 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. 5The Computer Science emphasis requires a Computer Science minor. 6The Economics/Business emphasis requires an Economics, Finance, or Business Administration minor, or a Thematic minor with an Econ, Finance, or Business Admin emphasis (approved by your advisor). A double major in Personal & Family Fin Planning may also fulfill the minor requirement. 7The Life Sciences emphasis requires a minor in a Life Sciences area. 8This 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. 9The pedagogy courses within the Mathematics Education emphasis replace the minor requirement. No additional minor is required. 10A variety of courses can be used to complete the numerical analysis sequence. Consult your advisor for details.