BACHELOR OF SCIENCE in Mathematics

Name: ____________________________________  Student ID: ____________________

CORE COURSES

_____ MATH 122A & B or 125  _____ MATH 223  _____ MATH 323
_____ MATH 129  _____ MATH 3133  _____ MATH 355

SUPPORTING PROGRAMMING COURSE:  ____ CSC 110 or ISTA 130 or ECE 175 or CHEE 2052

EMPHASES

Comprehensive4

_____ MATH 413
_____ MATH 424
_____ MATH 425A & 425B
One of the following sequences:
_____ MATH 415A & 415B
_____ MATH 454 & 456

Applied4

_____ MATH 422
_____ MATH 485 or 481
One of the following sequences:
_____ MATH 454 & 456
_____ MATH 464 & 466
_____ MATH 475A & 4XX10

Fifth 400-level course8
_____ MATH

4MINOR REQUIREMENT

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

Minor Courses:

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<th>Subject/Course number</th>
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Computer Science5

One of the following sequences:
_____ MATH 415A & 415B
_____ MATH 464 & 466
_____ MATH 475A & 4XX10

Two of the following courses:
_____ MATH 413
_____ MATH 443
_____ MATH 445
_____ MATH 446
_____ MATH 447
_____ CSC 473

Fifth 400-level course8
_____ MATH

Economics or Business6

_____ MATH 425A
_____ MATH 464

Two of the following courses:
_____ MATH 413
_____ MATH 425B
_____ MATH 462
_____ MATH 466
_____ MATH 468

Fifth 400-level course8
_____ MATH

Education9

_____ 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 & Statistics4

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

Fifth 400-level course8
_____ MATH

Life Sciences7

_____ MATH 422
_____ MATH 464
_____ MATH 485 or 481
_____ MATH 454 or 456
_____ MATH 466 or 468

Fifth 400-level course8

APPLICATION COURSE*


4The Bachelor of Science degree requires second-semester proficiency in a second language and two lab science courses. Upper division (300-400 level) units: 42 required. See Advisement Report (ADVIP) for details. *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 215 prior to fall 2015 or who have transfer credit equivalent to 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 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. *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. 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. *The pedagogy courses within this emphasis replace the minor requirement. No additional minor is required. 10A variety of courses are available to complete the numerical analysis sequence. Consult your advisor. *For the BS degree, except for the Education emphasis, students must complete three units of course work outside the Mathematics Department, approved by the major advisor requiring Calculus or higher as pre-requisite or co-requisite. See Advisement Report for a list of courses that fulfill this requirement. Courses taken to fulfill other requirements of the degree may also be applied to this requirement.