

Name: _____

Student ID: _____

CORE COURSES

_____ MATH 122A & B or 125
 _____ MATH 129

_____ MATH 223
 _____ MATH 313³

_____ MATH 323
 _____ 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:

Subject/Course number	
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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 _____

Life Sciences⁷

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

Probability & Statistics⁴

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

APPLICATION COURSE*

¹The 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. ²These 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. 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 a minor related to Economics, Finance, or Business; see handbook for a list of options. 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 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.