

Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

**CORE COURSES**

\_\_\_\_\_ MATH 122A & B or 125  
 \_\_\_\_\_ MATH 129

\_\_\_\_\_ MATH 223  
 \_\_\_\_\_ MATH 313<sup>3</sup>

\_\_\_\_\_ MATH 323  
 \_\_\_\_\_ MATH 355

**SUPPORTING PROGRAMMING COURSE:** \_\_\_\_\_ CSC 110 or ISTA 130 or ECE 175 or CHEE 205<sup>2</sup>

**EMPHASES**

**Comprehensive<sup>4</sup>**

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

**Applied<sup>4</sup>**

\_\_\_\_\_ MATH 422  
 \_\_\_\_\_ MATH 485 or 481  
One of the following sequences:  
 \_\_\_\_\_ MATH 454 & 456  
 \_\_\_\_\_ MATH 464 & 466  
 \_\_\_\_\_ MATH 475A & 4XX<sup>10</sup>  
 Fifth 400-level course<sup>8</sup>  
 \_\_\_\_\_ MATH \_\_\_\_\_

**<sup>4</sup>MINOR Requirement**

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

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

**Computer Science<sup>5</sup>**

One of the following sequences:  
 \_\_\_\_\_ MATH 415A & 415B  
 \_\_\_\_\_ MATH 464 & 466  
 \_\_\_\_\_ MATH 475A & 4XX<sup>10</sup>  
Two of the following courses:  
 \_\_\_\_\_ MATH 413  
 \_\_\_\_\_ MATH 443  
 \_\_\_\_\_ MATH 445  
 \_\_\_\_\_ MATH 446  
 \_\_\_\_\_ MATH 447  
 \_\_\_\_\_ CSC 473  
 Fifth 400-level course<sup>8</sup>  
 \_\_\_\_\_ MATH \_\_\_\_\_

**Life Sciences<sup>7</sup>**

\_\_\_\_\_ MATH 422  
 \_\_\_\_\_ MATH 464  
 \_\_\_\_\_ MATH 485 or 481  
 \_\_\_\_\_ MATH 454 or 456  
 \_\_\_\_\_ MATH 466 or 468

**Probability & Statistics<sup>4</sup>**

\_\_\_\_\_ MATH 425A  
 \_\_\_\_\_ MATH 464 & 466  
 \_\_\_\_\_ MATH 413 or 468  
 Fifth 400-level course<sup>8</sup>  
 \_\_\_\_\_ MATH \_\_\_\_\_

**Economics or Business<sup>6</sup>**

\_\_\_\_\_ MATH 425A  
 \_\_\_\_\_ MATH 464  
Two of the following courses:  
 \_\_\_\_\_ MATH 413  
 \_\_\_\_\_ MATH 425B  
 \_\_\_\_\_ MATH 462  
 \_\_\_\_\_ MATH 466  
 \_\_\_\_\_ MATH 468  
 Fifth 400-level course<sup>8</sup>  
 \_\_\_\_\_ MATH \_\_\_\_\_

**Education<sup>9</sup>**

\_\_\_\_\_ 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\***

\_\_\_\_\_

<sup>1</sup>The 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. <sup>2</sup>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. <sup>3</sup>MATH 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. <sup>4</sup>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. <sup>5</sup>The Computer Science emphasis requires a Computer Science minor. <sup>6</sup>The Economics/Business emphasis requires a minor related to Economics, Finance, or Business; see handbook for a list of options. <sup>7</sup>The Life Sciences emphasis requires a minor in a Life Sciences area. <sup>8</sup>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. <sup>9</sup>The pedagogy courses within this emphasis replace the minor requirement. No additional minor is required. <sup>10</sup>A 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.