

Name: _____

ID#: _____

Department of Mathematics and Statistics

MATHEMATICAL COMPUTING CONCENTRATION

Lower Division Requirements

Course	Title	Semester
Math 131	Calculus I	
Math 132	Calculus II	
Math 233	Calculus III	
Math 235	Linear Algebra	
CICS 110 (or Info 190S or CS 121)	Programming	
Math 370	Junior Year Writing	

Integrative Experience (IE) for Primary Math/Stat Majors

One of the following:

- Math 455
- Math 456
- Math 475
- Stat 525

The IE can also satisfy another requirement on this page.

Discrete Mathematics

Choose one (1) sequence:

- CICS 160 (or CS 187, Info 190T or E&C-ENG 241) then CS 250 OR
- Math 300 then Math 455 (also satisfies Math/Stat IE requirement).

Taking CICS 160 (or CS 187, Info 190T or E&C-ENG 241) and 250 is strongly recommended.

Course	Semester

Comments:

Upper Division Requirements

Course	Title	Semester
Math 411	Intro to Abstract Algebra	
Stat 315/ 515	Statistics I	
Math 551	Intro to Scientific Computing	
CS 311*	Intro to Algorithms	

*CS 311 pre-reqs are CICS 210 (or COMPSCI 187) and either COMPSCI 250 or MATH 455, all with a grade of C or better.

Upper Division Electives

Two of: Math 331, Math 412, Math 456 (also satisfies Math/Stat IE requirement), Math 471, Math 545, Math 548/597U, Math 552, Math 571, or Stat 516

Course	Semester

One of: CS 501, CS 575 or Math 513

Course	Semester

CS Elective

Choose one (1) 300+ level Computer Science course, but not CICS 305, CS 311, or any course used to satisfy another requirement on this sheet.

Course	Semester