

SUGGESTED COURSE SEQUENCE
MATHEMATICS MAJOR

Requirements for Major in Mathematics (B.S.)

A minimum of 16 units (13 units + 3 cognates) with the following distribution:

Core Mathematics requirements - 8 units

Mathematics 121, 122, 223, 230, 232, 233 - 6 units

Senior Reflective Tutorial: Mathematics 400 - 1 unit

Senior Capstone Course: Mathematics 321 OR 373 OR 421 OR 431 - 1 unit.

Electives - 5 units

Five additional courses must be chosen from Mathematics 316 or higher including no more than one of the following courses (Mathematics 591, 593, 595). Mathematics 321, 322, 325, 373, 421, 431, 433, 441, 482 are strongly recommended.

Cognates - 3 units

Computer Science 130 OR 132, Physics 141 and 142.

[Suggested course sequence](#)

For all students:

Semester \ Courses	Required + Electives	Comments
Sophomore Fall	MA 121, CS 130	
Sophomore Spring	MA 122, MA 230	
Junior Fall	MA 223, MA 232, PY 141	

For students starting in an even year (e.g., Fall 2004)

Junior Spring	MA 321 OR MA 316 OR MA 233 PY 142	MA 421 OR 373 (Capstone Courses) + MA 400 (Senior RFT)
Senior Fall	MA 421 + 400 MA 482	
Senior Spring	MA 373 + 400 MA 325 OR MA 322 OR 316	

For students starting in an odd year (e.g., Fall 2003)

Junior Spring	MA 373 OR MA 316 OR MA 233	MA 431 OR 321 (Capstone Courses) + MA 400 (Senior RFT)
Senior Fall	MA 431 + MA 400 MA 441	
Senior Spring	MA 321 + MA 400 MA 433 OR MA 325 OR MA 316	