This sheet applies to the 2014-15 catalog only. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors must work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies
- Major courses: 42 min
- Minor (determines BA or BS - see MTH advisor): 18 min
- Electives: 27 min
- Total to graduate (min. 40 hrs upper division): 120 min

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Major Core Courses (Please see Math Advisor in M&CS dept)
- All majors in mathematics are required to complete the following basic core of courses (with a required minimum grade of “C” in each of these courses).
  - MTH 1410 (4 hrs) Calculus I
  - MTH 2410 (4 hrs) Calculus II
  - MTH 2420 (4 hrs) Calculus III
  - MTH 3100 (3 hrs) Introduction to Mathematical Proofs

Required Probability & Statistics Concentration Courses
- MTH 1110 & MTH 1120 - OR - MTH 1400 are prerequisites for MTH 1410 do _not_ take MTH 1112 College Algebra through Modeling
  - MTH 2140 (2 hrs) Computational Matrix Algebra (or MTH3130 or 3140)
  - MTH 3210 (4 hrs) Probability and Statistics
  - MTH 3220 (4 hrs) Design of Experiments
  - MTH 4210 (4 hrs) Probability Theory
  - MTH 4230 (4 hrs) Regression and Computational Statistics
  - MTH 4250 (4 hrs) Statistical Theory
  - MTH 4290 (1 hr) Senior Statistics Project

One of the following five courses:
- CS 1050 4 hrs) Computer Science I
- CSS 1247 (4 hrs) Introduction to Programming: Visual Basic
- CSS 1510 (4 hrs) Computer Programming: FORTRAN
- MTH 2520 (4 hrs) R Programming
- MTH 3510 (4 hrs) SAS Programming

22 hours from the catalog list of approved courses

Work with your Math advisor in the M&CS department.

Minor (required) - Your choice of minor determines if you earn a BS or BA so work with your mathematics faculty advisor on this selection.

Multicultural Requirement
- (may be satisfied within General Studies major, minor, or elective)