## BACHELOR OF SCIENCE IN MATHEMATICS

### Major Courses

- MAT52-154 Calculus I
- MAT52-254 Calculus II
- MAT52-354 Calculus III
- MAT52-574 Probability and Mathematical Statistics
- MAT52-674 Linear Algebra
- MAT52-854 Real Analysis
- MAT52-894 Senior Seminar in Math Modeling (Capstone)
- Math Field Test

**Required Supporting Courses:**

- CSC54-184 Computer Science I
- CHE51-103/101 Principles of General Chemistry/Lab
- PHY53-154 Fundamentals of Physics I

**Select one of the following:**

- BIO50-123/121 Living Systems/Invest. Into Living Systems
- BIO50-133/131 Molecular and Population Genetics/Lab

**Select one additional course from the following:**

- BIO50-123/121 Living Systems/Invest. Into Living Systems (if not taken above)
- BIO50-133/131 Molecular and Population Genetics/Invest. Genetics (if not taken above)
- CHE51-203/201 Chemical Kinetics & Equilibrium/Lab
- CSC54-284 Computer Science II

*The same course cannot be used to satisfy more than one area within the required supporting course section.*

### University Electives:

- Select two additional, approved upper level MAT courses (3-4cr each):
  - MAT52-XX4
  - MAT52-XX4

### GENERAL EDUCATION REQUIREMENTS

**At least 30 total credits required, minimum 3 credits required per course**

#### General Education Part I

- First Year/Adv. Entry Seminar:
  - UST05-014 or
  - UST05-214
- Foreign Language (3 sem.)
- Social Justice Course (may double count with any requirement):
- 2 different FRAs:

**Total Earned Credits:** 0
**Total Southwestern Credits:** 0
**Total Major Credits:** 0
**Total Gen Ed Credits:** 0

#### Graduation Requirements:

- Minimum of 127 credits:
- Cumulative GPA > 2.0
- GPA > 2.0 for Major and/or Areas of Concentration
- All grades C- or higher in major/minor/core?
- At least 64 credits completed at Southwestern*
- Less than 56 credits of any 5 digit prefix**
- Major credits completed (min 30 required)
- 60% of Major courses completed at Southwestern (26cr)
- Gen Ed has minimum of 30 credits

#### Minor (optional):

- Minimum 18 credits
- Minimum of 12 credits taken at Southwestern
- Minimum 2.0 minor courses CGPA

**Other:**

- Degree Audit Completed (Due one year before grad date)
- Grad Application Submitted (Due start of final semester)
- Approved to be part time in last semester?