

MATHEMATICS

Semester Course Requirements - B.A.

For Students beginning Sept 2003 or later

Requirements for Bachelor of Science: minimum of 128 SH with at least a 2.0 QPA

Requirements for B. A. in Mathematics:

- 9 Required mathematics courses (9*4SH = 36 SH)
- 2 mathematics electives (may include the Experiential Education Course) (2*4S)
- 2 physics courses + Labs (2 * 5SH = 10SH)
- 13 Arts and Science Core courses (13*4SH = 52 SH)
- 5 free electives (5*4Sh = 20 SH)
- (+ 3 1-credit seminars) (3 SH)

Required Mathematics Courses - 9 Courses

Math Discovery & Computers:	MTH U170	
Calculus 1, 2:	MTH U241	MTH U242
Calculus 3	MTH U341	
History of Math	MTH U201	
Linear Algebra	MTH U371	
Groups and Rings	MTH U575	
Real Analysis or Topology	MTH U550	or MTH U565
Geometry or Number Theory	MTH U560	or MTH U430

Mathematics Electives - 2 Courses from U4xxx or higher

These courses should be chosen in consultation with your advisor and will depend upon your choice of track. There are 3 Mathematics tracks. They are Education, Industrial and Pure.

Experiential Education Requirement - 1 course (may count as one of the 2 math electives)

There is an experiential education requirement for all students.
In the math department these may be satisfied by the following courses
MTH U725, MTH U790, MTH U951

Math Seminars - 1 credit courses

MTH U100 Intro to college MTH U300, U400 Coop Reflection Seminars

Physics - 2 courses (course consists of a Lecture and a corresponding Lab)

Physics 1 and 2 and Labs for science majors PHY U161+162, PHY U165+166

A & S Core requirements - 13 Courses

Category I: Freshman English	1 course
Category II: Arts/Humanities	4 courses -
Social World/Natural World	- one in each of the four divisions
Category III: Diversity	2 courses
Category I: Middler writing	1 course
Category IV: History/Ethics/Aesthetics	2 courses
Category V: Analysis	1 courses
Foreign Language	2 courses