



STEM DIVISION MATHEMATICS

— FOUR-YEAR PLAN —

ABOUT

The Math major at SNU equips students with marketable skills like problem solving, critical thinking, creativity, and mathematical modeling. The degree program starts with the Calculus sequence, followed by upper-division electives. Finally, there is a capstone sequence that culminates in a research project on a topic of interest. There are many opportunities beyond the curriculum including participation in Math Club activities throughout the year. Students regularly participate in international math competitions and attend regional math conferences. During the summer, selected freshman and sophomore students can participate in a paid summer research experience. Our graduates have little trouble finding employment after graduation. Math majors make valuable contributions to multidisciplinary teams in business, industry, and government jobs.

DEGREE PLAN

***The courses listed are for this specific program and are in addition to the general education courses required for all students. See the reverse side or go to snu.edu/gen-ed for more information on those courses.*

YEAR 1

Calculus I
Calculus II

YEAR 2

Calculus III
Linear Algebra
Number Theory

YEAR 3

Differential Equations
Probability and Statistics I
Junior Colloquium in Mathematics
Complex Variables

YEAR 4

Introduction to Modern Algebra
Mathematics Seminar
Introduction to Analysis
Discrete Mathematical Structures
Senior Research in Mathematics

**Students are required to choose eight Math electives throughout their course of study (above 3000 or 4000 level)*





GENERAL EDUCATION

General Education forms the foundation of every student's academic journey at SNU. As a Christian liberal arts university, we are committed to equipping students with the knowledge, values, and skills essential for their development as both thoughtful Christians and engaged community leaders. Our General Education curriculum is intentionally designed to be both comprehensive and flexible—allowing students to pursue their individual interests while ensuring they graduate prepared for lifelong learning, service, and growth.

The General Education program consists of approximately 51 credit hours that introduce and develop important skills such as the:

- Importance of thinking critically and solving problems
- Ability to communicate effectively
- Appreciation of human creativity
- Importance of science and technology in the 21st century
- Power of social responsibility in our community
- Awareness of global diversity
- Role of our Christian faith in daily life

Students take at least one foundational course and one upper-level windows course in each of these areas.

Central to SNU's mission is the engagement of students in transformational learning experiences designed to explore what it means to seek truth together with a Christ-centered community of scholars.

YEAR 1

- Composition I & Composition II
- Introduction to Speech
- A foundation course in Social Responsibility
- A foundation course in Science & Technology
- Christian Faith & Life

YEAR 2

- Modern World
- Aesthetics
- A foundation course in Critical Thinking & Problem Solving
- Old Testament or New Testament Literature & Life

YEAR 3

- A windows course in Social Responsibility
- A windows course in Effective Communication
- A windows course in Science & Technology
- A windows course in Critical Thinking & Problem Solving

YEAR 4

- A windows course in Global Perspectives
- A windows course in Artistic Expression
- Foundations of Christian Belief