



Mathematics opens many doors.

The thought processes, logic, and analysis that you hone with your studies prepare you for many careers – engineering, science, economics, medicine, teaching, statistics, computer programming or pharmaceuticals, and hundreds of others.

Students study mathematics because they enjoy the challenges and have excelled in the classes before. With a mathematics degree, you have hundreds of possibilities before you.

Fifteen full-time professors in the Mathematics Department will take your college career seriously and will give the personal attention you need. Small class size gives you the advantage of being able to work closely with your professor.

All ten tenure-track and tenured professors have Ph.D degrees from some of the finest institutions in the country. They studied and do research in such fascinating fields such as Algebra, Group Theory, Stochastic Processes, Probability, Statistics, Modeling, and Mathematics Education.

For more information about Mathematics faculty and their research expertise, please visit www.iusb.edu/~sbmath/faculty.shtml



BA in Mathematics*

Requires 122 credit hours:

- General Liberal Arts & Sciences Requirements and Electives, 80 credit hours
- Mathematics Requirement, 42 credit hours

BS in Actuarial Science *

Requires 122 credit hours:

- General Liberal Arts & Sciences and Electives, 52 credit hours
- Computer Programming, 4 credit hours
- Business and Economics, 18 credit hours
- Mathematics and Actuarial Science, 48 credit hours

BS in Applied Mathematics*

Requires 122 credit hours:

- General Liberal Arts & Sciences and Electives, 65 credit hours
- Computer Programming, 4 credit hours
- Mathematics, 53 credit hours

Associate of Arts in Math

Requires 60 credit hours:

- General Education, 35 credit hours
- Mathematics, at least 15 credit hours:
 1. (M215 & M216) or (M208 & M209) or (M118 & M119)
 2. M301 or M347
 3. (M365) or (M463 & M466) or (M260 & M261) or (K310)
 4. 300-level or above as needed to meet the 15 credit hour total

* Contact the Chair or Associate Chair of Mathematical Sciences

Minor in Mathematics

Students wishing to minor in mathematics must complete a minimum of 18 credit hours of mathematics, including one of the following:

- M215 and M216, or
- M208, M209, M260, and M261

At least 8 hours of mathematics must be completed at or above the 300-level. (These 8 hours may include T336 or T436, however, K300 and K310 are not acceptable).

MS in Applied Mathematics and Computer Science

Requires 36 credit hours:

The program will be tailored to individual student needs, and will consist of 36 credit hours, including 30-33 hours of course work and 3-6 hours of a thesis or graduate project. A student will choose to specialize either in applied mathematics or in computer science.

For more information, go to: www.iusb.edu/~sbmath

Career Paths

Business, banking, industry, research and insurance firms need graduates versed in statistics and probabilities to interpret surveys and to deal with financial problems.

Consulting firm, government and law offices hire graduates with quantitative analysis backgrounds to solve problems.

Engineering, computer programming and software design companies need problem solvers.

A degree in math prepares you for graduate studies in virtually any field.

