

Career Opportunities

These days, in Connecticut and throughout the United States, there is an increasing need for personnel with applied mathematics skills and training.

Southern mathematics graduates have put their applied mathematics skills to work for such diverse employers as banks, public utilities, the federal government, Connecticut industries, computer corporations, insurance companies, educational systems, and consulting firms, at attractive salaries. Some graduates have even started their own consulting businesses.



For more information about the Bachelor of Science in Applied Mathematics program, please complete this form and send it to:

Mathematics Department Chairperson
Southern CT State University
501 Crescent Street
New Haven CT 06515

Name
Address
City
State/ZIP
Telephone
Email

Are you currently enrolled as an SCSU student?
Yes No

If yes, major:

Check all that apply. Please send:

- The schedule of courses for the upcoming semester
The SCSU Undergraduate Course Catalog
Application materials for admission
Other:



Department of Mathematics

Southern Connecticut State University

Bachelor of Science in Applied Mathematics

Engleman Hall D 115
203-392-5576

## What does Southern offer in this field?

Southern's Bachelor of Science degree program in Applied Mathematics, offered by the Mathematics Department, gives students a solid foundation in basic undergraduate mathematics as well as special training in the areas of greatest importance to applied mathematics. An attractive feature of the Bachelor of Science in Applied Mathematics is its varied applicability. Students can tailor their experience by selecting cognate courses according to their interests. For example, Chemistry, Computer Science, Earth Science, Economics, and Physics can be studied. Students may also elect, in addition to the regular requirements, an internship of up to six credits. During their internship, students perform professional duties and work with professionals in local businesses, industries, or government agencies.

Southern's Applied Mathematics program also offers an excellent base for students who want to enter graduate school, whether it is to continue their study of mathematics or to pursue related fields. Southern graduates have enrolled in masters degree and doctoral programs at universities throughout the country.

## The Program

**Core Courses.** These courses are usually taken during the first two years of study.

MAT 150	Calculus I
MAT 151	Calculus II
MAT 250	Foundations of Mathematics: An Introduction
MAT 252	Calculus III
MAT 372	Linear Algebra

### **Cognate Courses.**

CSC 152 Computer Programming I (C++)  
Two courses from areas of applied math

**The following courses** complete the requirements of the program.

MAT 245	Differential Equations
MAT 320	Probability and Statistics I
MAT 321	Probability and Statistics II
MAT 322	Numerical Analysis I
MAT 378	Discrete Mathematics
MAT 488	Seminar in Mathematical Modeling

and **two additional courses** chosen from

MAT 375	Abstract Algebra I
MAT 450	Analysis
MAT 480	Topology

Students must also satisfy the **All University Requirements.**

Visit the Southern Connecticut State University Department of Mathematics home page at <http://www.southernct.edu/departments/math> or send email to [math@southernct.edu](mailto:math@southernct.edu)



**Buley Library  
before renovation, 2005**

## Admission to the program

The basic requirement for admission is completion of an accredited secondary (high) school program or equivalent. For complete details on the admission requirements and procedures, please see the SCSU Undergraduate Course Catalog (complete, official information about all of our undergraduate major programs is printed here) or visit the SCSU website at <http://www.southernct.edu> and click on the admissions link. There you can

find admission requirements (undergraduate information), request information such as an application or viewbook, register for a campus tour,

and much more.