DEPARTMENT OF MATHEMATICS

AND COMPUTER SCIENCE

**Sciences &**

**Health**

**Professions**

The Department of Mathematics and Computer Science offers programs of study leading to the Bachelor of Arts degree in Mathematics, the Bachelor of Science degree in Computer Science with emphasis in mathematics, Bachelor of Science degree in Computer Science with em- phasis in business, the Bachelor of Applied Science with emphasis in Computer Information Systems and offers graduate courses to support the Master of Education degree with concentration in mathematics. The Department also provides courses in support of the curriculums of other departments at the University and minor programs in mathematics and computer science. The minor programs are designed for those students interested in pursuing graduate study or the wide variety of careers in the fields of mathematics and computer science. Students in computer science may choose to concentrate in business or mathematics. To be admitted to the department as a major, the student must have a cumulative grade point average of 2.25 or higher.

The major in mathematics provides course work that leads to the Bachelor of Arts degree in mathematics. In addition to the general institu- tional requirements, the major in mathematics is required to complete 60 semester hours in major courses which include six (6) hours of for- eign language, a computer science elective and general electives.

**Personnel &Index**

**Sciences &**

**Health**

**Professions**

**Course**

**Descriptions**

**Graduate**

**School**

**Education**

**Business**

**Arts & Humanities**

**Albany State State**

The Bachelor of Science degree in computer science is for those students who want to combine mathematics and computer science. In addi- tion to the general institutional requirements, the major completes 60 semester hours in major courses which include 30 hours in computer science and 18 hours in mathematics courses, including Calculus 1, Calculus II, and Calculus III and 12 hours in electives.

The Bachelor of Science degree in computer science with business emphasis is for those students who want to combine computer science and business. In addition to the general institutional requirements, the major completes 60 semester hours in major courses, which include 31 hours in computer science courses and 15 hours in business courses. The Bachelor of Applied Science degree is a cooperative program be- tween Albany State University and Albany Technical College that allows qualified students to earn 99 quarter hours at Albany Technical Col- lege and then transfer to Albany State University to complete the requirements for the Bachelor of Applied

Science degree with emphasis in Computer Information Systems. While at Albany Technical College students will complete the Computer Information System Program or equivalent courses. Upon admission to Albany State University students will be granted 42 semester hours of credit for technical courses. Additionally, students may transfer up to 60 semester hours of credit to Albany State to satisfy Areas A, B, C, D, and E of the Core Curriculum.

All majors must complete a minimum of 125 semester hours. All majors and minors in the department must achieve a grade of "C" or better in all mathematics, science, and computer science and business courses. A cumulative grade point average of at least 2.25 is required for grad- uation. The Graduate Record Examination (GRE-Subject) is also required for graduation.

2008-2012 Undergraduate Catalog