The College of Engineering and Applied Sciences at the University at Albany offers a variety of undergraduate and graduate degree programs in computer science, computer engineering, and informatics. The College continues to innovate as it increases the number of courses offered online and to add strategically-identified departments and programs in engineering and related areas that will create new paths of excellence in computing and engineering studies and will better educate students to meet the demands of academe, government, and industry.

**UNDERGRADUATE**

▷ **Computer Science Degrees**

* A *Computer Science degree* focuses on how programmers develop algorithms (a set of rules for computations) and how algorithms are used to solve problems. Computer Science degrees lead to careers in programming, systems analysis, network administration, database development, security analysis, IT, software engineering, and more.

- **B.A. in Computer Science**
- **B.S. in Computer Science & Applied Mathematics**
- **Combined B.S./M.S. in Computer Science**
  Qualified undergraduates may apply for admission to the M.S. program and, if accepted, simultaneously work on both undergraduate and graduate degrees.

▷ **Electrical and Computer Engineering**

* The *B.S. in Electrical and Computer Engineering degree* enables students to focus their studies in a broad range of technical areas within computer engineering, communications and networks, signal and information processing, and electronic circuits and systems and to engage in research with world-class faculty.

**GRADUATE**

▷ **M.S. and Ph.D. in Computer Science**

The M.S. degree provides a solid foundation in computer science theory and practice, fully preparing students for a career in computing or for further study leading to a doctorate.

The Ph.D. program prepares students for productive careers as computer science research scholars in universities, or as computer science researchers in industrial research and development or government agencies. The program develops the student’s ability to recognize and formulate significant research problems, to express those using appropriate abstract models, to apply theoretical and/or experimental techniques for their solution, and to transmit the results to the scientific community. Computer science graduates can look forward to careers in programming, systems analysis, network administration, database development, security analysis, IT, software engineering, and more.

▷ **M.S. and Ph.D. in Electrical and Computer Engineering**

The M.S. degree prepares students for positions in industry or for further study. The M.S. degree provides specialization in one of our technical concentration areas of computer engineering, communications and networks, signal and information processing, and electronic circuits and systems.

The Ph.D. program prepares students for research and/or teaching careers in industry, at universities, or in government agencies. Students work closely with an ECE faculty member, performing research that leads to their doctoral dissertation (thesis). The program develops the student’s ability to recognize and formulate research problems, apply theoretical and/or experimental techniques to develop a solution, and to transmit the results to the scientific and engineering community.
Why STUDY AT THE UNIVERSITY AT ALBANY?

FACULTY: Learn from professors who are experts in their fields and actively working to solve current research problems.

LOCATION: Live in proximity to New York’s Tech Valley and take advantage of numerous internship and job opportunities within the public and private sectors of this innovative region.

NETWORK: Gain access to an invaluable network of leading professionals in the field.

PREPARATION: A wide variety of courses which will inspire and educate you for an exciting career in the engineering and computer sciences.

ADMISSION REQUIREMENTS

Bachelor’s Degree
- High School Diploma
- Minimum TOEFL: 70; or IELTS: 6.0; or PTE: 50

Master’s Degree
- University Degree
- Minimum TOEFL 79; or IELTS: 6.5
- GRE: Quantitative/Analytical/Verbal

Doctoral / Ph.D. Degree
- All Post-Secondary Academic Records including Degrees and Mark Sheets
- 3 letters of Recommendation
- Minimum TOEFL: 79, or IELTS: 7.0
- GRE: Quantitative/Analytical/Verbal