The Bachelor of Science in Applied Computer Science program is designed to provide a fundamental basis for lifelong learning and advanced studies. The Computer Science curricula seeks to prepare students to be successful whether they are entering the fast-paced world of commercial computer processing or continuing their academic training by completing a graduate level degree. This goal is accomplished by maximizing student proficiency in both theoretical and practical aspects of computer science.

The student seeking a baccalaureate degree must meet the following requirements:

1. A minimum of 120 semester hours
2. At least 50% of the degree program must be traditional academic credit
3. No more than 25% of the degree may be earned using portfolio-based credit
4. At least 25% of the credit hours required must be completed with Troy University
5. Twelve semester hours of work in each major field must be completed in residence at Troy University (See the Undergraduate Catalog for more information)
6. Students must earn a minimum of 50% of all degree program hours on a senior college (four-year degree) level in order to graduate from Troy University with a bachelor's degree
7. Complete all course requirements for the degree being taken

1Requirements beyond 120 credit hours: Although most baccalaureate degree programs require a total of 120 credit hours, accreditation criteria or professional licensure requirements may dictate that some baccalaureate degrees will exceed the 120 semester hour minimum. Please refer to the Undergraduate Catalog to determine those degree programs that require in excess of 120 semester hours.

A candidate for graduation must have an overall C average at Troy University (2.0 on a 4.0 scale), and must also have a C average in the major/minor. This includes hours and grade points earned at other universities and colleges as converted to the Troy University system scale (2.0 on a 4.0 scale).
BACHELOR OF SCIENCE DEGREE PARAMETERS

A. General Studies

Areas I – IV 42 hours
Area V (University requirements and requirements specified by the major) 18–22 hours

B. A program or a combination of majors and minors to total at least 54 hours

C. Unspecified electives: additional hours necessary to achieve a minimum of 120 total credit hours

2Specialized General Studies Requirements: Programs and major may have specialized general studies requirements. See the Undergraduate Catalog for more information.

COMPUTER SCIENCE, APPLIED MAJOR (36 HOURS)

SPECIALIZED GENERAL STUDIES REQUIREMENTS FOR AREA III

MTH 2201 (3) Business Calculus
Select additional Area III requirements as shown in the Undergraduate Catalog, General Studies section.

SPECIALIZED GENERAL STUDIES REQUIREMENTS FOR AREA V

IS 2241 (3) Computer Concepts and Applications
MTH 2215 (3) Applied Discrete Mathematics
TROY 1101 (1) University Orientation

MAJOR REQUIREMENTS

CS 2244 (3) Computer Programming I
CS 2260 (3) Computer Programming II
CS 2265 (3) Advanced Programming I
CS 3330 (3) Data Structures and Algorithms
CS 4420 (3) Introduction to Database Management Systems
CS 4443 (3) Web-Based Software Development
CS 4445 (3) Data Communications and Networking
CS 4447 (3) Systems Analysis and Design
CS 4448 (3) Operating Systems

Select three of the following:

CS 2262 (3) Business Systems Programming
CS 3332 (3) Software Engineering I
CS 3347 (3) Advanced Programming II
CS 4449 (3) Applied Networking
CS 4451 (3) Computer Security
CS 4495 (3) Special Topics in Computer Science

Current as of 2007-2008 catalog.

ACCREDITATION

Troy University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, bachelor’s, master’s and the education specialist degrees. Contact the Commission on Colleges and Schools at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions regarding the accreditation status of the institution or if there is evidence that appears to support Troy University’s significant non-compliance with a requirement or standard.