



**ST. JOHN'S
UNIVERSITY**

COLLEGE OF
PROFESSIONAL STUDIES

Bachelor of Science Computer Science

WHAT IS COMPUTER SCIENCE?

Grounded in mathematics, computer science provides the foundation for understanding algorithms, but it also stresses the study of design and problem-solving methods. Computer scientists must be adept at analyzing and modeling problems and building computer-based solutions. Advances in the field permeate society, driving cutting-edge technologies such as robotics, social networking, bioinformatics, gaming, and even driverless cars. Making computers do what you want them to do requires careful study of computational principles as well as intensive hands-on experience. Problem solving requires precision, creativity, and careful reasoning.

A degree in computer science provides lucrative and enjoyable career opportunities. As a computer scientist, you design and build new systems that solve critical problems.

THE PROGRAM

The four-year Bachelor of Science in Computer Science at St. John's prepares students for careers as software developers, systems analysts, and other computing-related occupations. It also prepares students for graduate-level study. Students gain a strong foundation in computer science along with a solid grounding in the liberal arts and sciences. The program provides outstanding internship opportunities across the New York metropolitan area, allowing students to gain hands-on experience and discover a career path.

SPECIALIZED COURSES

Students within the Computer Science program also may take a variety of specialized courses including these:

- Computer Architecture
- Data Mining
- Data Security and Cryptography
- Mobile App Development

Queens Campus
8000 Utopia Parkway
St. Augustine Hall, Second Floor
Queens, NY 11439

stjohns.edu/cps



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CURRICULUM

The career-oriented baccalaureate degree program combines a core curriculum of liberal arts and sciences courses with substantial course work in computer science, including programming, operating systems, database design and management, and software engineering. Students may study pure computer science or choose a specialized subfocus in business, cybersecurity, healthcare informatics, or networking.

CAREER OPPORTUNITIES

The computer science curriculum prepares students for careers in a wide range of technology professions. Students develop a skill set for careers in fields like software engineering, systems analysis, database administration, or software quality assurance. Glassdoor's 2015 list of the 25 best jobs includes three computer science positions: software engineer (number two), database administrator (number seven), and data scientist (number nine). The Bureau of Labor Statistics has projected 22 percent growth in career opportunities for software developers over the next 10 years.

COMBINED DEGREE PROGRAMS

Students who meet specific qualifications also have the option to apply for the five-year degree program, in which, upon completion, they would receive both a bachelor's degree and master's degree in these fields:

- Computer Science / Accounting
- Computer Science / Business Administration



For more information:
stjohns.edu/communicationarts

Admission Information

Office of Undergraduate Admission
1-888-9STJOHNS
admission@stjohns.edu
stjohns.edu/admission-aid/undergraduate-admission