Mathematics and Computer Programming

Mathematics

- Mathematicians apply concepts and formulas to solve real-life situations. They explore connections between mathematics and its application at both the research and education levels, draw conclusions from data, and examine relationships between data and chance. Computers are often used as a tool for analyzing complex or massive data sets.

- **Actuarial Mathematics**
  - Albany
  - Applied Computer Applications
  - Finger Lakes
  - Applied Mathematics
  - Buffalo State
  - Farmingdale
  - Geneseo
  - Oswego
  - SUNY Poly

- **Applied Mathematics and Statistics**
  - Stony Brook
  - Computer Science & Applied Mathematics
  - Albany

- **Liberal Arts & Sciences: Mathematics**
  - Cayuga
  - Dutchess
  - Herkimer County
  - Nassau
  - Suffolk County

- **Mathematical Economics**
  - University at Buffalo
  - Oswego

- **Mathematics**
  - Albany
  - Binghamton
  - Brockport
  - Buffalo State
  - University at Buffalo
  - Cortland
  - Erie (North)
  - Fredonia
  - Geneseo
  - Jefferson
  - Monroe
  - New Paltz
  - Old Westbury
  - Oneonta
  - Oswego
  - Plattsburgh
  - Potsdam
  - Stony Brook

- **Mathematics / Computer Science**
  - Purchase

- **Statistics**
  - University at Buffalo
  - Oneonta

Computer Programming

- **COMPUTER PROGRAMMING (cont.)**
  - C++Java Advanced Programming
  - Dutchess
  - Computer Applications Programming
  - Mohawk Valley
  - Computer Aided Design & Computer Numerical Control
  - Jamestown-Garnett
  - Computer Information Systems: Web Design & WWW Programming
  - Hudson Valley
  - Computer Numerical Control Programming
  - Corning
  - Computer Programming
  - Westchester
  - Computer Programming & Information Systems
  - Farmingdale
  - Game Programming and Design
  - Finger Lakes
  - Game Design and Development
  - Canton

Information Technology Management

- **INFORMATION TECHNOLOGY MANAGEMENT**
  - Information technology management consists of emerging programs—such as web design/development, cyber security, forensics, and network management—that reflect the technological society in which we live.

  - Commercial Art: Digital Technologies
    - Nassau
  - Computer Applications for the Office
    - Sullivan County
  - Computer Applications Specialist
    - Westchester
  - Computer Desktop Support Specialist
    - Schenectady County
  - Computer Electronics Technology
    - Clinton
  - Computer Forensics
    - Ondagga
  - Computer Gaming Machine Repair Technician
    - Erie
  - Computer Graphics & Design
    - Columbia-Greene
    - North Country
    - Computer Graphics/Graphic Design
    - Sullivan County
  - Computer Hardware/Software Design
    - Cayuga
  - Computer Repair
    - Geneseo
  - Computer Repair Technology
    - Erie
    - Nassau
  - Computer Science: Cybersecurity
    - Mohawk Valley

Key: B = Bachelor’s Degree  A = Associate Degree  C = Certificate
clients get the most out of current technology—or repair systems. Those who choose to work in this field may focus on a specific technological need. Information sciences and systems experts design and develop new systems, resolve issues in existing systems, and create and maintain software and hardware solutions that connect communication systems to computer networks. They also keep computer systems current, efficient, and secure and communicate with users about technological needs. Professionals may also create games, educational software and business applications—to help clients get the most out of current technology—or repair systems. Those who choose to work in this field may focus on a specific technological need.

For more information about these academic programs, contact SUNY campuses on the web at www.suny.edu/contactcamuses