Analyze Your Success

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
Fredonia
Geneseo
Oswego
SUNY Poly

Applied Mathematics and Statistics
Stony Brook

Computer Science & Applied Mathematics
Albany

Liberal Arts & Sciences: Mathematics
Cayuga
Dutchess
Geneseo
Nassau
Suffolk

Mathematical Economics
Oswego

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

Mathematics / Computer Science
Purchase

Mathematics: Economics
University at Buffalo

Statistics
University at Buffalo
Oneonta

COMPUTER PROGRAMMING
Though closely related, computer software engineering and computer programming have unique responsibilities. Computer programmers work with programming languages like C++, Java or Visual Basic to convert software design into a format that can be processed by computers. They may also repair, update, and test existing programs.

Computer Applications Programming
Mohawk Valley

Computer Aided Design & Computer Numerical Control
Jamestown: Olean

Computer Aided Design - Technology
Morrisville

Computer Numerical Control Programming
Corning

Computer Programming
Sullivan
Westchester

Computer Programming & Information Systems
Farmingdale

Game Programming and Design
Finger Lakes

Game & Interactive Design
Alfred State

Game Design and Development
Canton

Programming for Game Design
Schenectady

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.

Animation, Interactive Media & Game Design
Fashion Institute of Technology

Casino Gaming Machine Repair Technician
Erie

Commercial Art: Digital Technologies
Nassau

Computer Applications Specialist
Westchester

Computer Desktop Support Specialist
Schenectady County

Computer Electronics Technology
Clinton

Computer Forensics
Onondaga

Computer Graphics & Design
Columbia-Greene

Computer Graphics/Graphic Design
Sullivan

INFO TECH MGMT (cont.)

Computer Hardware/Software Design
Cayuga

Computer Repair
Geneseo

Computer Repair Technology
Erie

Computer Science: Cybersecurity
Mohawk Valley

Computer Security
Plattsburgh

Computer Security and Forensics
Broome

Computer Support
Clinton
Rockland
Sullivan

Computer Support & Operations
Geneseo

Computer Support Specialist
Tompkins Cortland

Computer Technology
Broome

Computer Web Development
Rockland

Digital Forensics
Albany

Graphic Design: Computer Graphics
Sullivan County

Help Desk Support
Geneseo
Hudson Valley

Information Systems Security
Erie (North)

Office Technology: Information Processing
Morrisville

Web Administration: Webmaster
Dutchess

Web and Mobile Applications Development
Fulton-Montgomery

Web and Mobile Development
Finger Lakes

Web Design
Geneseo

Web Development
Westchester

Web Development & Information Design
Mohawk Valley

Web Page Design
Erie (South)

Web Technology
Onondaga

Website Design
Nassau

Website Development and Management
Broome

Key:  B = Bachelor's Degree    A = Associate Degree    C = Certificate
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 type of computer system, such as engineering.

**Applied Computing**
- SUNY Poly B
- Cisco Certified Entry Networking Technician
  - Nassau C

**Computer & Information Science**
- Old Westbury B
- SUNY Poly A

**Computer Information Science**
- Corning A

**Computer Information Systems**
- Alfred State A
- Brockport B
- Broome A
- Buffalo State B
- Canton A
- Cayuga A
  - Clinton A
  - Cobleskill A
  - Columbia-Greene A
  - Corning A
  - Delhi A
  - Dutchess A
  - Farmingdale C
  - Finger Lakes A
  - Fredonia B
  - Fulton-Montgomery A
  - Genesee A
  - Hudson Valley A
  - Jefferson A
  - Mohawk Valley A
  - Monroe A
  - Morrisville A
  - Niagara A
  - Onondaga A
  - Rockland A
  - Schenectady A
  - Sullivan A
  - SUNY Poly B
  - Tompkins Cortland A
  - Westchester A

**Computer Information Systems: Computer Support**
- Rockland C

**Computer Information Systems: Microcomputers**
- Nassau C

**Computer Information Technology**
- Jefferson A

**Computer Information Technology: Networking**
- Orange A

**Computer Network Technician**
- Herkimer A

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**INFORMATION SCIENCES AND SYSTEMS (cont.)**

**Computer Networking**
- Dutchess C

**Computer Networking & Cybersecurity**
- Fulton-Montgomery A

**Computer Networking Systems & Cyber Security**
- Schenectady A

**Computer Science**
- Adirondack A
  - Albany B
  - Alfred State A
  - Binghamton B
  - Brockport B
  - Broome A
  - University at Buffalo B
  - Cayuga A
  - Columbia-Greene A
  - Corning A
  - Delhi A
  - Dutchess A
  - Ernie (North) A
  - Finger Lakes A
  - Fredonia B
  - Fulton-Montgomery A
  - Herkimer A
  - Jamestown A
  - Jefferson A
  - Mohawk Valley A
  - Monroe A
  - Nassau A
  - Niagara A
  - New Paltz B
  - Oneonta B
  - Onondaga A
  - Orange A
  - Oswego B
  - Plattsburgh A
  - Potsdam B
  - Schenectady A
  - Stony Brook B
  - Suffolk A
  - Sullivan A
  - SUNY Poly B
  - Tompkins Cortland A
  - Ulster County A
  - Westchester A

**Computer Science & Applied Mathematics**
- Albany B

**Computer Systems & Network Technologies**
- Genesee A

**Computer Systems Technology**
- Farmingdale C

**Cyber Security**
- Alfred State B
- Orange A
- Rockland A

**Cyber Security/Digital Forensics**
- Columbia-Greene A

**Cybersecurity**
- Canton A
- Corning A
- Hudson Valley A
- Mohawk Valley C
- Nassau A
- Westchester A

**Game & Interactive Design**
- Alfred State A

**Informatics**
- Albany A

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**INFORMATION SCIENCES AND SYSTEMS (cont.)**

**Information and Network Technology**
- Monroe A

**Information Management**
- Dutchess A

**Information Science**
- Oswego B

**NYS College of Agriculture & Life Sciences at Cornell University**

**Information Systems**
- Stony Brook A

**Information Systems Security**
- Erie C

**Information Technology**
- Adirondack A
- Canton B
- Cayuga A
- Cobleskill B
- Corning A
- Erie (South) A
- Jamestown A
- Monroe A
- Nassau A
- Plattsburgh B
- Suffolk A

**Information Technology: Applications Software Development**
- Alfred State B

**Information Technology: Computer Networking**
- Adirondack A

**Information Technology: Cybersecurity**
- Adirondack A

**Information Technology: End User Support**
- Morrisville B

**Information Technology: Network Administration**
- Alfred State B

**Information Technology: Network Administration**
- Morrisville B

**Information Technology: Web Development**
- Alfred State B

**Management Information Systems**
- Old Westbury B

**Network Administration**
- Jamestown C

**Network Administrator**
- Ulster A

**Network and Computer Security**
- SUNY Poly B

**Networking**
- Westchester A

**Networking & Cybersecurity**
- Finger Lakes A

**Operations Management & Information Systems**
- Oswego B

**Robotics**
- Plattsburgh B

**Technological Systems Management**
- Stony Brook B

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