Engineering majors use science and math to solve practical problems and help create everything from assembly lines and oil-drilling techniques to spacecraft. A general engineering major at the associate degree level provides solid preparation for any type of engineering degree at the bachelor’s level.

**Engineering**
- Binghamton
- University at Buffalo
- Engineering Chemistry
- Stony Brook
- Engineering Physics
- University at Buffalo
- Engineering Science
  - Adirondack
  - Broome
  - Canton
  - Corning
  - Dutchess
  - Erie (North)
  - Finger Lakes
  - Genesee
  - Herkimer
  - Hudson Valley
  - Jamestown
  - Jefferson
  - Monroe
  - Mohawk Valley
  - Morrisville
  - Nassau
  - Onondaga
  - Orange
  - Rockland
  - Stony Brook
  - Suffolk
  - Tompkins Cortland
  - Ulster
  - Westchester
- Engineering Studies
  - Niagara
- **Engineering 3+2 Programs = Two Bachelor’s Degrees:**
  - Discover the best of both worlds ... the intellectual training of a liberal arts program combined with the technical training of an engineering program. Students attend the first three years at a liberal arts college, followed by two more years in an engineering curriculum at Binghamton University or the University at Buffalo (or at other select universities). The end result is two bachelor’s degrees in five years. Students who complete 3+2 engineering programs often find themselves choosing between excellent opportunities in graduate school and industry.
  - Buffalo State
  - Cortland
  - Fredonia
  - Geneseo
  - Oneonta
  - Oswego
  - Potsdam

**EXPLORE**
- Educating Our Future
- Engineering Your Career

**BUILD**
- Building the physical and natural environment through design and infrastructure management.
  - Architecture
    - Alfred State
    - University at Buffalo
    - Architectural Design and Building
      - Alfred
    - Architectural Engineering Technology
      - Farmingdale
  - Architectural Studies & Design
    - Morrisville
  - Architectural Technology
    - Alfred State
    - Delhi
    - Dutchess
    - Finger Lakes
    - Onondaga
    - Orange
  - Civil Engineering
    - University at Buffalo
    - Stony Brook
    - SUNY Poly
  - Civil and Environmental Engineering Technology
    - Canton
  - Civil Engineering Technology
    - Broome
    - Canton
    - Erie (North)
    - Hudson Valley
    - Mohawk Valley
    - Nassau
    - SUNY Poly
  - Civil Technology
    - Farmingdale
    - Westchester
  - Construction Engineering Technology
    - Alfred State
  - Construction Management
    - Alfred State
    - Environmental Science and Forestry
    - Nassau
  - Construction Management: Design & Building
    - Delhi
  - Construction Management Engineering Technology
    - Erie (North)
    - Farmingdale
  - Construction Supervision
    - Alfred State
    - Canton
    - Erie (North)
    - Hudson Valley
    - Mohawk Valley
    - Tompkins Cortland
  - Construction Technology: Architectural Technology
    - Suffolk
  - Construction Technology/Preservation Carpentry
    - Columbia-Greene
  - Construction Technology Management
    - Canton
  - Dutchess
  - Construction Technology: Sustainable Building
    - Fulton-Montgomery
  - Electrical Construction & Instrumentation
    - Alfred State
  - Electrical Construction & Maintenance Electrician
    - WNY Workforce Training Center
    - Alfred State
  - Electrical Construction & Utility Operations
    - Delhi
  - Land Surveying Technology
    - Environmental Science & Forestry

**SUSTAIN**
- Applying agricultural and science principles to explore, identify hazards or to improve the natural environment.
  - Agricultural Engineering Technology
    - Morrisville
  - Agricultural Engineering Technology:
    - Agricultural Power Machinery
    - Cobleskill
  - Agricultural Mechanics
    - Morrisville
  - Clean Energy Management
    - Hudson Valley
  - Environmental Engineering
    - University at Buffalo
    - NYS College of Agriculture & Life Sciences at Cornell
  - Environmental & Sustainable Engineering
    - Albany
  - Environmental Resources Engineering
    - Environmental Science & Forestry
    - Renewable Energy Technology
    - Morrisville

**ADVANCE**
- Bridging the gap between medicine, engineering and biomedical research to improve healthcare.
  - Biomedical Engineering
    - Binghamton
    - University at Buffalo
    - Stony Brook
  - Biomedical Engineering
    - NYS College of Ceramics at Alfred University

**SOAR**
- Focusing on the design, construction and science of aircraft and spacecraft that stay within the Earth’s atmosphere or operate outside of it.
  - Aeronautical Science – Professional Pilot
    - Farmingdale
  - Aerospace Engineering
    - University at Buffalo
    - Remotely Piloted Aircraft Systems
    - Mohawk Valley

**CREATE**
- Converting raw materials to products and designing plants, equipment and nuclear reactors to perform the work.
  - Bioprocess Engineering
    - Environmental Science & Forestry
  - Renewable Materials Science
    - Environmental Science & Forestry
  - Ceramic Engineering
    - NYS College of Ceramics at Alfred University
  - Chemical Engineering
    - University at Buffalo
  - Chemical and Molecular Engineering
    - Stony Brook

**Key:** B = Bachelor’s Degree  A = Associate Degree  C = Certificate
ENERGIZE
Designing and applying circuitry and equipment for power generation and distribution, machine control and communications.

Electrical & Computer Engineering
Albany B
Oswego B
SUNY Poly B

Electrical Engineering
Binghamton A, B
University at Buffalo B, BSEG
Maritime A
New Palz A
Stony Brook A

Electrical Engineering Technology
Buffalo State B
Alfred State A, B
Broome B
Canton A, B
Erie (North) A
Farmingdale A
Hudson Valley A
Mohawk Valley A
Monroe A
Nassau A
Suffolk A
SUNY Poly B
Westchester A

Electrical (Electronics) Technology
Adirondack A
Cayuga A
Corning A
Dutchess A
Fulton-Montgomery A
Herkimer A
Onondaga A
Suffolk A
SUNY Poly B
Westchester A

Nuclear Technology
Onondaga A

INTEGRATE
Unifying research and education through physics, mathematics, chemistry and biology to provide a platform for multidisciplinary work in electronic and magnetic materials, polymers and composites, biomolecular and biomedical materials, materials and chemistry, nanostructured materials, and energy storage and generation and biomaterials, tissue engineering, and drug delivery.

Engineering Physics
University at Buffalo A

Glass Engineering Science
NYS College of Ceramics at Alfred University B

Material Science & Engineering
NYS College of Ceramics at Alfred University B
University at Buffalo B

Nanoscale Engineering
SUNY Poly B

Nanoscale Materials Technology
Schenectady A

Nanoscale Science
SUNY Poly A

Nanotechnology
Erie (North) A
Geneseo A
(jointly registered with Erie)

DEVELOP
Developing procedures for completing projects safely, on-time and within budget.
Advanced Manufacturing: Machining
Onondaga
Applied Integrated Technology
Monroe A
Applied Science & Technology
Tompkins Cortland A
Automotive Service Technology
Erie (North, South) A, C
Automotive Technology
Canton A
Columbia-Greene A
Corning A
Delhi A
Erie A
Monroe C
Morrisville A, B
Onondaga A
Rockland A
Computer-Aided Drafting and Design
Corning A
Erie (South) A
Geneseo A, C
Hudson Valley A
Jamestown C
Jamestown: Olean C
Mohawk Valley A, C
Monroe A
Morrisville A
Niagara A, C
Rockland C
Suffolk C
Ulster A, C
Westchester A

Computer Security Technology
Farmingdale A
Electromechanical: Drone Technology
Onondaga A
HVAC Trades
Canton A
Industrial & Systems Engineering
Binghamton A
Industrial Engineering
University at Buffalo B
Industrial Equipment Technology
Jamestown
Jamestown: Olean C
Industrial Maintenance Technology
Cayuga C
Industrial Process Technology
Niagara A
Industrial Technology
Buffalo State B
Erie (North) A
Farmingdale (Automotive & Facilities) B
Ulster A, C
Industrial Technology: Quality Assurance
Broome A, C
Industrial Technology Management
Canton A

Instrumentation and Control Technology
Finger Lakes A
Machine Tool Technology
Alfred State A
Corning A
Jamestown C
Jamestown: Olean C
Manufacturing Engineering Technology
Farmingdale A
Manufacturing Management
Empire State C
Manufacturing Technology
Broome A
Corning A
Suffolk A

Mechanical Engineering
Binghamton B
University at Buffalo B

Mechanical Engineering (cont.)
Maritime A
New Palz A
Stony Brook B
SUNY Poly B

Mechanical Engineering Technology
Alfred State A, B
Broome A
Buffalo State B
Canton A, B
Erie (North) A
Farmingdale A, B
Hudson Valley A
Mohawk Valley A
Morrisville B
SUNY Poly B

Mechanical Technology
Cayuga A
Clinton A
Finger Lakes A
Jamestown A
Monroe A
Niagara A
Onondaga A
Westchester A

Mechatronics
Adirondack A
Erie (North) C
Fulton-Montgomery (Automation Systems) C
Hudson Valley A
Mohawk Valley C
Monroe C
Mechatronics Design
Alfred State A

Mechatronics Technology
Alfred State A, B
Canton A

Motorcycle and Power Sports Technology
Alfred State A
Plastics Manufacturing
Cayuga A
Welding Technology
Alfred State A
Alfred State – WNY Workforce Training Center A

NETWORK
Solving real-world problems, through the combined fields of electrical engineering and computer science.

Computer Engineering
Binghamton A
University at Buffalo A
New Palz A
Stony Brook B

Computer Engineering Technology
Alfred State A, B
Farmingdale A
SUNY Poly B

Software Engineering
Oswego B

LAUNCH
Designing, constructing and maintaining the operation of boats, ships, oil rigs and other marine vessels, including the structures to support vessels.

Facilities Engineering
Maritime A

Marine Engineering
Maritime A

Naval Architecture
Maritime A

NOTES
All degrees reflect undergraduate programs only. Many engineering graduate degrees are available; to learn more visit www.suny.edu/programsearch

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

Key: B = Bachelor’s Degree  A = Associate Degree  C = Certificate