



Engineering Your Career

EXPLORE

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^B
University at Buffalo^B

Engineering Chemistry

Stony Brook^B

Engineering Physics

University at Buffalo^B

Engineering Science

Adirondack^A
Broome^A
Canton^A
Corning^A
Dutchess^A
Erie (North)^A
Finger Lakes^A
Genesee^A
Herkimer^A
Hudson Valley^A
Jamestown^A
Jefferson^A
Monroe^A
Mohawk Valley^A
Morrisville^A
Nassau^A
Onondaga^A
Orange^A
Rockland^A
Stony Brook^B
Suffolk^A
Tompkins Cortland^A
Ulster^A
Westchester^A

Engineering Studies

Niagara^A

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^B

Cortland^B

Fredonia^B

Genesee^B

Oneonta^B

Oswego^B

Potsdam^B

BUILD

Building the physical and natural environment through design and infrastructure management.

Architecture

Alfred State^B
University at Buffalo^B

Architectural Design and Building

Delhi^B

Architectural Engineering Technology

Farmingdale^B

Architectural Studies & Design

Morrisville^A

Architectural Technology

Alfred State^{A,B}

Delhi^A

Dutchess^A

Finger Lakes^A

Onondaga^A

Orange^A

Civil Engineering

University at Buffalo^B

Stony Brook^B

SUNY Poly^B

Civil and Environmental Engineering Technology

Canton^B

Civil Engineering Technology

Broome^A

Canton^A

Erie (North)^A

Hudson Valley^A

Mohawk Valley^A

Nassau^A

SUNY Poly^B

Civil Technology

Farmingdale^B

Westchester^A

Construction Engineering Technology

Alfred State^A

Construction Management

Alfred State^B

Environmental Science and Forestry^B

Nassau^C

Construction Management: Design & Building

Delhi^B

Construction Management Engineering Technology

Erie (North)^A

Farmingdale^B

Construction Supervision

Alfred State^B

Construction Technology

Delhi^A

Hudson Valley^A

Monroe^A

Tompkins Cortland^A

Construction Technology: Architectural Technology

Suffolk^A

Construction Technology/Preservation Carpentry

Columbia-Greene^C

Construction Technology Management

Canton^A

Dutchess^A

Construction Technology: Sustainable Building

Fulton-Montgomery^A

Electrical Construction & Instrumentation

Delhi^A

Electrical Construction & Maintenance Electrician

- WNY Workforce Training Center

Alfred State^A

Electrical Construction & Utility Operations

Delhi^A

Land Surveying Technology

Environmental Science & Forestry^A

Residential Construction

Delhi^A

Morrisville^A

Surveying and Geometrics Engineering

Technology

Alfred State^B

Surveying Engineering Technology

Alfred State^{A,B}

SUSTAIN

Applying agricultural and science principles to explore, identify hazards or to improve the natural environment.

Agricultural Engineering Technology

Morrisville^A

Agricultural Engineering Technology:

Agricultural Power Machinery

Cobleskill^A

Agricultural Mechanics

Morrisville^A

Clean Energy Management

Hudson Valley^A

Environmental Engineering

University at Buffalo^B

NYS College of Agriculture & Life Sciences

at Cornell^B

Environmental & Sustainable Engineering

Albany^B

Environmental Resources Engineering

Environmental Science & Forestry^B

Renewable Energy Technology

Morrisville^A

ADVANCE

Bridging the gap between medicine, engineering and biomedical research to improve healthcare.

Biomedical Engineering

Binghamton^B

University at Buffalo^B

Stony Brook^B

Biomaterials Engineering

NYS College of Ceramics at Alfred University^B

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^B

Aerospace Engineering

University at Buffalo^B

Remotely Piloted Aircraft Systems

Mohawk Valley^A

CREATE

Converting raw materials to products and designing plants, equipment and nuclear reactors to perform the work.

Bioprocess Engineering

Environmental Science & Forestry^B

Renewable Materials Science

Environmental Science & Forestry^B

Ceramic Engineering

NYS College of Ceramics at Alfred University^B

Chemical Engineering

University at Buffalo^B

Chemical and Molecular Engineering

Stony Brook^B

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^B
University at Buffalo^{B, BS/MS}
Maritime^B
New Paltz^B
Stony Brook^B

Electrical Engineering Technology

Buffalo State^B
Alfred State^{A, B}
Broome^A
Canton^{A, B}
Erie (North)^A
Farmingdale^B
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
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, materials for energy storage and generation and biomaterials, tissue engineering and drug delivery.

Engineering Physics

University at Buffalo^B

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^B

Nanotechnology

Erie (North)^A
Genesee^A
(jointly registered with Erie)

DEVELOP

Developing procedures for completing projects safely, on-time and within budget.

Advanced Manufacturing: Machining

Onondaga^C

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, C}

Erie (South)^A

Genesee^{A, C}

Hudson Valley^C

Jamestown^C

Jamestown: Olean^C

Mohawk Valley^{A, C}

Monroe^C

Morrisville^A

Niagara^{A, C}

Rockland^C

Suffolk^C

Ulster^{A, C}

Westchester^C

Computer Security Technology

Farmingdale^B

Electromechanical: Drone Technology

Onondaga^A

HVAC Trades

Canton^A

Industrial & Systems Engineering

Binghamton^B

Industrial Engineering

University at Buffalo^B

Industrial Equipment Technology

Jamestown^C

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^B

Instrumentation and Control Technology

Finger Lakes^A

Machine Tool Technology

Alfred State^A

Corning^A

Jamestown^C

Jamestown: Olean^C

Manufacturing Engineering Technology

Farmingdale^B

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^B

New Paltz^B

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^A

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

Delhi^A

Mechatronics Technology

Alfred State^{A, B}

Canton^B

Delhi^B

Motorcycle and Power Sports Technology

Alfred State^A

Plastics Manufacturing

Cayuga^C

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^B

University at Buffalo^B

New Paltz^B

Stony Brook^B

Computer Engineering Technology

Alfred State^{A, B}

Farmingdale^B

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^B

Marine Engineering

Maritime^B

Naval Architecture

Maritime^B

NOTES

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

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

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