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 and MP3 players. 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 Science
Adirondack
Alfred State
Broome
Canton
Corning
Dutchess
Erie (North)
Finger Lakes
Geneseo
Herkimer County
Hudson Valley
Jamestown
Jefferson
Monroe
Mohawk Valley
Morrisville
Onondaga
Orange County
Rockland
Stony Brook
Suffolk County
Tompkins Cortland
Ulster County
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

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

Architecture
Alfred State
University at Buffalo
Architectural Design and Building
Delhi
Architectural Engineering Technology
Alfred State
Farmingdale
Architectural Studies & Design
Morrisville
Architectural Technology
Alfred State
Delhi
Dutchess
Hudson Valley
Onondaga
Orange County
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
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
Construction Technology
Delhi
Hudson Valley
Monroe
Sullivan County
Tompkins Cortland
Construction Technology: Architectural Technology
Suffolk County
Construction Technology/Preservation Carpentry
Columbia-Greene
Construction Technology Management
Canton
Dutchess
Construction Technology: Sustainable Building
Fulton-Montgomery
Electrical Construction & Instrumentation
Delhi
Landscape Architecture

Residential Construction
Delhi
Morrisville
Surveying Engineering Technology
Alfred State
Surveying Technology
Stony Brook

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
Coleck
Agricultural Mechanics
Morrisville
Clean Energy Management
Hudson Valley
Environmental Engineering
University at Buffalo
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
Biometrics 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