Welcome to the Watson School!

The engineering programs are specially designed for transfer students, with attention given to their particular strengths and needs. Detailed transcript audits and individual advisers help each student prepare an efficient academic plan for the four semesters in the program. Classes are taught by experienced senior faculty.

Modern Facilities. More than $4 million in new equipment and computer facilities supports the computer science and engineering programs.

Individualized Academic Advising. Each undergraduate student has a faculty adviser who provides guidance on all aspects of the academic program. The department’s program coordinator, the Watson School’s Student Services professionals and peer advisers are additional sources for advice and assistance.

Undergraduate Research Opportunities. Undergraduates may work side by side with graduate students and senior faculty in their research.

Industrial Connection. Strong links with some of the most technically advanced corporations in the nation translate into unique summer internship opportunities for students.

Undergraduate Transfer Opportunities in:

- Bioengineering*
- Computer Engineering
- Electrical Engineering
- Industrial and Systems Engineering
- Mechanical Engineering

* Bioengineering Application Code: 1532 (see bioeng.binghamton.edu)
Junior-Level Transfer Admission
For admission into junior-level engineering, you should have completed coursework in the subjects listed below, including the specific courses required for junior status in your particular Watson School major (see Major Notes). All transfer credits are awarded on a course-by-course basis. It is important to follow all guidelines as noted:

- Calculus I and II, differential equations and one other math (depending on major)
- Two semesters of calculus-based physics
- One course in college chemistry and additional work in science/math (depending on major)
- One course in English composition or technical writing
- Three college courses in humanities/social science (see General Education Notes)
- First course in electrical circuits
- Introductory programming course

Major Notes
**Electrical or Computer Engineering**
Select the following courses within your associate degree:

- Probability and Statistics
- Data Structures and Algorithms
- Microprocessors
- Digital Logic

**Industrial and Systems Engineering**
Select the following courses within your associate degree:

- Chemistry II
- Probability and Statistics
- Engineering Statics
- Microeconomics

**Mechanical Engineering**
Select the following courses within your associate degree:

- Chemistry II
- Calculus III
- Engineering Statics
- Engineering Dynamics
- Strength of Materials

General Education Notes
Social science electives prior to junior-level transfer should cover one U.S. history, one world history and one additional social science (preferably economics) to efficiently meet Binghamton University’s General Education requirements.

### Engineering Majors: Final Two Years
Binghamton University Bulletin 2007-08

#### Computer Engineering
**Application Code: 0843**

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<th>Year</th>
<th>Fall</th>
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#### Electrical Engineering
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#### Industrial and Systems Engineering
**Application Code: 1967**

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**General Ed Elective Notes**
Social science electives prior to junior-level transfer should cover one U.S. history, one world history and one additional social science (preferably economics) to efficiently meet Binghamton University’s General Education requirements.

**Student Organizations**
- Alpha Pi Mu (Industrial Engineering Honor Society)
- American Society of Mechanical Engineers (ASME)
- Association for Computing Machinery (ACM)
- Engineering in Medicine and Biology Society/Binghamton Bioengineers (EMBS)
- Engineers Without Borders
-Eta Kappa Nu (National Electrical Engineering Honor Society)
- Institute of Electrical and Electronics Engineers (IEEE)
- Institute of Industrial Engineers (IIIE)
- National Society of Black Engineers (NSBE)
- Pi Tau Sigma (National Mechanical Engineering Honor Society)
- Society of Automotive Engineers (SAE)
- Society of Hispanic Professional Engineers (SHPE)
- Society of Indian American Engineering and Architects
- Society of Women Engineers (SWE)
- Tau Beta Pi (National Engineering Honor Society)
- Theta Tau (National Engineering Fraternity)
- Upsilon Pi Epsilon (Computer Science Honor Society)

**Visiting Binghamton University**
Transfer students are welcome to join group information sessions and student-guided tours of the campus held on most weekdays and selected Saturdays during the academic year. These sessions cover general information about admissions, academic and campus life, housing and the surrounding community. Please phone at least one week in advance to be sure sessions will be scheduled for the day you choose to visit.

**Admissions Office**
Binghamton University
PO Box 6000
Binghamton, New York 13902-6000
Phone: 607-777-2171
E-mail: admit@binghamton.edu
www.binghamton.edu

**For additional information:**
Watson School Student Services
Phone: 607-777-6203
E-mail: wtsnadvis@binghamton.edu
Website: watson.binghamton.edu/WatsonStudentsServices/index.htm

The State University of New York at Binghamton is strongly committed to affirmative action. We offer access to services and recruit students and employees without regard to race, color, gender, religion, age, disability, or sexual orientation. The Watson School of Engineering and Applied Science is the College of Engineering and Applied Science at Binghamton University.

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