ENGINEERING THE FUTURE

ABOUT OUR STUDENTS AND ALUMNI*

Enrollment 2,935
Undergraduate 1,940
Graduate 995
Freshman SAT average 1326
Freshman high school average 95
Transfer GPA 3.4
Alumni 11,781 (87% in the United States, including 48% in New York state)

*Fall 2014

OUR FACILITIES ARE GROWING

To accommodate our increasing enrollment and faculty, the Engineering and Science Building, the Watson School’s newest addition in 2011, provides 125,000 square feet of space for faculty, students and research labs. Renovations in the Engineering Building, in the center of campus, have added teaching labs, department offices, a Watson Career Connections hub and an expanded Advising Office serving our undergraduate and graduate students in one location.

A SCHOOL ON THE MOVE

The Thomas J. Watson School of Engineering and Applied Science offers bachelor’s, master’s and doctoral programs that equip tomorrow’s leaders with the skills to be creative, innovative, enlightened and entrepreneurial. Our graduates are prepared to make an impact on a world that is continually shaped by the forces of new technologies and economic globalization. The school consists of five departments: bioengineering, computer science, electrical and computer engineering, mechanical engineering, and systems science and industrial engineering. Freshmen enter the engineering program through a common first-year engineering design experience. In addition, our interdisciplinary materials science and engineering program offers graduate degrees.

A DYNAMIC PLACE TO LEARN

Engineering and computer science continue to rank among the fastest-growing and highest-paying occupations. And each year more students are looking to the Watson School to provide them with the strong education and cutting-edge experience they need to hit the ground running in these highly competitive fields. Inspired faculty and our commitment to innovation and real-world experience combine to make Binghamton University a dynamic place to learn.

Watson School Enrollment
APPLIED RESEARCH TO ADVANCE OUR FUTURE
In today's highly competitive market, research expenditures continue to top $10 million with nearly 20 percent of research in the Watson School funded by industry.

ORGANIZED RESEARCH CENTERS
• New York State Center of Excellence at Binghamton University includes the Center of Excellence in Small Scale Systems Integration and Packaging Center (S3IP). S3IP is a research and development organization that addresses research challenges in small scale design, process development, prototyping, and manufacturing for academia and the microelectronics industry. S3IP is one of six Centers of Excellence in New York state, and is the umbrella for the CAMM, CASP, ES2 and IEEC.
• The Center for Advanced Microelectronics Manufacturing (CAMM), a partnership between Binghamton University and industry, is the nation’s first prototype research and development (R&D) facility in large area flexible electronics. It serves as an international resource for systems integration and packaging R&D.
• The Center for Autonomous Solar Power (CASP) is a federally funded research center that conducts research in thin film solar cells including copper zinc tin sulfide (CZTS) for low cost solar energy, electrochemical energy storage through supercapacitors for energy storage of solar energy.
• The Center for Energy-Smart Electronic Systems (ES2), a National Science Foundation Industry/University Cooperative Research Center (I/UCRC), works in partnership with government, industry and academia to develop systematic methodologies for efficiently operating electronic systems, including data centers, by controlling resources and managing workloads to achieve optimal energy consumption.
• The Integrated Electronics Engineering Center (IEEC) is dedicated to the advancement of electronic packaging technology and the electronics industry. conducts leading edge research in a wide variety of packaging areas for the technological and economic benefit of member companies.
• The Center for Healthcare Systems Engineering (CHSE) focuses on transforming healthcare systems by developing next-generation policies and approaches.
• The Clinical Science and Engineering Research Center (CSERC) undertakes a wide variety of clinical chronic disease research studies.
• The Watson Institute for Systems Excellence (WISE) tackles projects in electronics manufacturing and productivity enhancement, as well as food distribution.