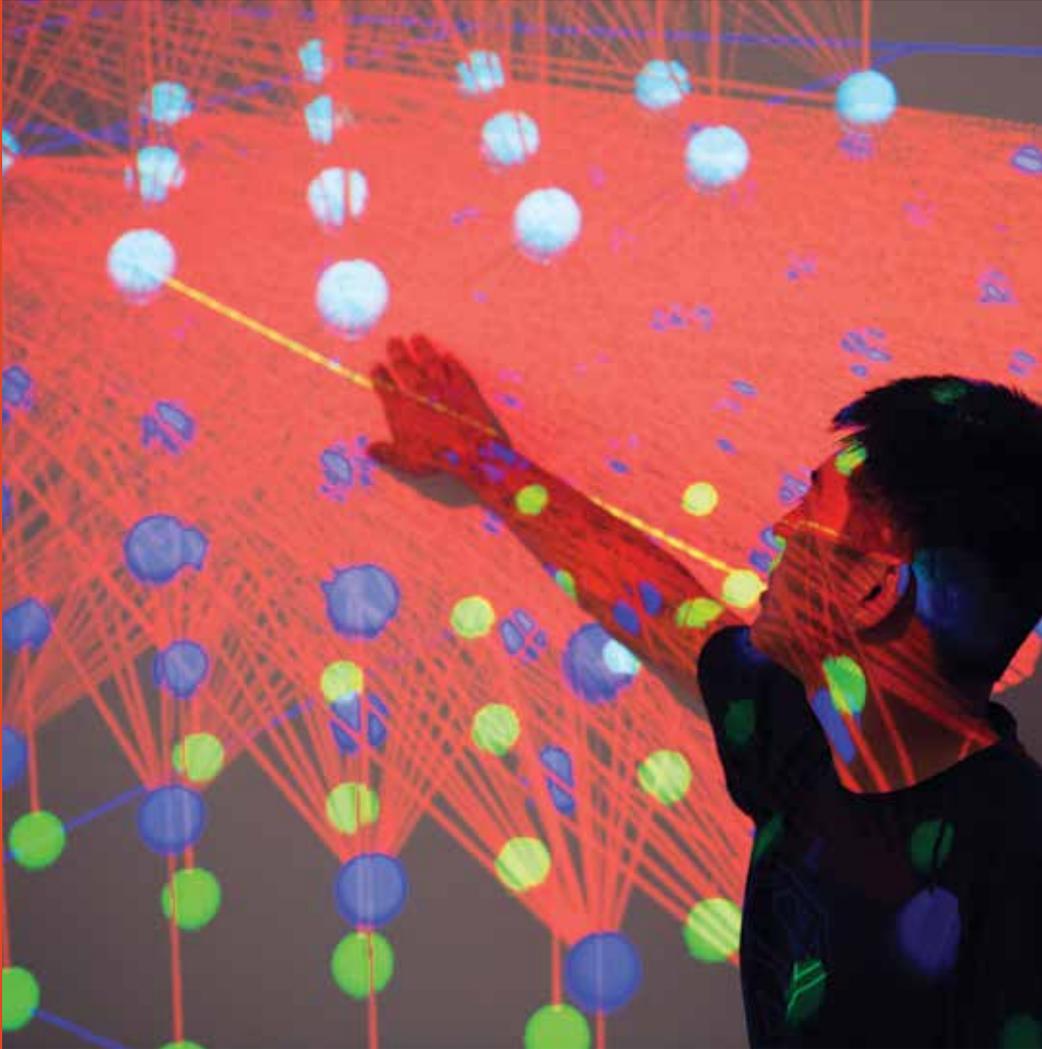




**COLLEGE OF ENGINEERING AND
COMPUTER SCIENCE**



SYRACUSE UNIVERSITY



**make
your
mark**



About the College of Engineering and Computer Science

The College of Engineering and Computer Science (E&CS) delivers all the benefits of a small, personalized school within a major research university. As your knowledge and research expand to embrace both the laboratory and the outside world, you'll acquire the technical, collaborative, and communication skills necessary to thrive in the constantly evolving fields of engineering and computer science.

Majors

Aerospace Engineering	Computer Science
Bioengineering	Electrical Engineering
Chemical Engineering	Environmental Engineering
Civil Engineering	Mechanical Engineering
Computer Engineering	Systems and Information Science

All engineering majors and the computer science major are accredited by the Accreditation Board for Engineering and Technology (ABET).

You'll also take coursework in the liberal arts, allowing you to gain the critical thinking, communication, and analytical skills that impress employers.

Related Careers

Propulsion Systems Integration and Test Engineer	Payload Systems Engineer
Construction Superintendent	Quality Engineer
Design Engineer	R&D Personal Care Chemist
Entrepreneur	R&D Engineer
Environmental Remediation and Property Development Engineer	Senior Product Manager, Hip Marketing
Materials Engineer	Software Engineer
	Transportation Engineer

Expand Your Skill Set

Pursue a major or minor from one of SU's eight other undergraduate colleges. A few examples:

Major/Minor: Computer Science + Math
Career: Software engineer
Major/Minor: Mechanical Engineering + Drama
Career: Theater set designer
Majors: Bioengineering + Biology/Premedicine Track
Career: Medical doctor

On the Cover: A computer engineering student presents his findings for Research Experience for Undergraduates (REU), a program that gives students the opportunity to join summer research projects.

Students and faculty with Eileen Collins '78, the first female space shuttle commander, in front of the 622i flight simulator.



The Formula SAE Club shows off the car it built.



Civil engineering students engaged in a construction internship in Dubai.



Civil engineering students in a concrete structures class.





Highlights and Distinctions

Outstanding Placement Rate

Ninety-five percent of Engineering and Computer Science graduates responding to the 2014 placement survey were employed full time in the industry or enrolled in graduate school within a few months of graduation. The average starting salary for recent graduates is \$66,000.

Comprehensive Engineering Education

A full range of accredited E&CS programs is available, and you can pursue coursework in both technical and nontechnical fields. Choose from 100 minors or pursue options that include the accelerated five-year B.S./M.B.A. or B.S./M.S. programs.

Support for Your Success

You'll be surrounded by a network of support led by the College's Student Success Center. Enroll in Academic Excellence Workshops, which will facilitate your success in calculus and other key courses, or live in the E&CS Learning Community, where you will be able to study collaboratively with your fellow first-year E&CS students in the comfort of your residence hall. Your first-year academic advisor and your Pathfinders (peer advisors) will support your learning and encourage you to further develop your interpersonal and leadership skills.

Marketability

The rigor of your program—along with opportunities for undergraduate research, paid internships with industry leaders, and advanced technical electives—gives you an edge with employers. Enhance your resume by taking part in numerous professional clubs, community outreach opportunities, and student design competitions.

Hands-on Experience

Most E&CS students complete full summer, paid work experiences in industry through a co-op placement. On-campus, labs, and makerspaces give life to your designs and support your academic and research aspirations. Facilities include:

- The Student Machine Shop, with lathes, mills, and 3D printers
- The Fidelity Motus 622i flight simulator
- Syracuse Biomaterials Institute, with a focus on research in biological materials: biomaterials.syr.edu
- Subsonic and supersonic wind tunnels
- A 3-story high bay lab for building and testing concrete structures
- Syracuse Center of Excellence, a research center dedicated to creating innovations in environmental and energy technologies: syracusecoe.org
- i3 Workspace at CASE: The Center for Advanced Systems and Engineering

Study Abroad

Broaden your perspective and enhance your resume with a study abroad experience. Consistently ranked among the top 25 international education providers in the United States, SU Abroad offers more than 100 programs in 60 countries. As an E&CS student, you can take advantage of:

Semester programs in Dublin, Florence, Hong Kong, Istanbul, Madrid, Santiago, or Sydney, or a yearlong program in London.

A summer internship in Dubai, UAE, or a summer research experience in Strasbourg, France.



“The fact that I can be an advanced problem solver and collaborate with other engineering disciplines, and also interact effectively with customers, is a skill that I developed at SU. E&CS provided the academic and social platform that propelled my career.”

— David Richardson '08, Electrical Engineering, System Engineer, SRC, Inc.



“I was a sophomore when I was awarded an undergraduate research fellowship with the Environmental Protection Agency. It gave me the opportunity to evaluate changes in the surface waters of the Adirondacks.”

— Kristin Waller '11, Environmental Engineering, Environmental Engineer, O'Brien & Gere



“E&CS has trained me to do things in a very organized, step-by-step way. Lay out what you need, determine the constraints, and clearly define the problem. It's definitely going to benefit me in the medical field.”

— Elliott Russell '15, Bioengineering & Biotechnology, M.D. student, Northwestern University, Feinberg School of Medicine



Quick Facts/Syracuse University

Founded in 1870

Location: Main campus is in Syracuse, NY, with U.S. centers in New York City, Los Angeles, and Washington, DC, and eight centers around the world.

Undergraduate Enrollment:

14,000+ students representing 130+ countries

Majors: 200+ majors/100+ minors within nine undergraduate schools and colleges

Student-to-Faculty Ratio: 16:1

Average Class Size: 25

Research: \$67 million was awarded in 2014 for research, teaching, and other sponsored programs.

Study Abroad: Program consistently ranked among the top 25 in the U.S. Almost half of Syracuse students study abroad at least once.

Career Placement: 91 percent of 2014 seniors were employed, interning, or attending graduate school, according to SU's Placement Survey.



SYRACUSE UNIVERSITY

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