

UConn Engineering

2020 Fact Sheet



ABOUT ENGINEERING

UConn Engineering excels in education, research, and professional service. We are the primary source of engineering leadership and talent in Connecticut. Our students, faculty, and laboratory infrastructure support the technological activity needed to strengthen our economy. We proudly use our capabilities to improve our state, the nation, and the world.

645

Graduate Student Fellowships or Teaching/Research Assistantships Awarded

\$490,314

Scholarship Funds Awarded to Students

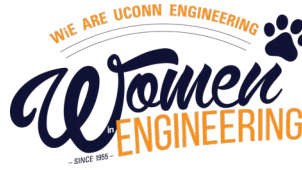
51%

Percentage of Total Connecticut Engineering Graduates that come from UConn

4

Dual Degree Programs in Engineering and a Foreign Language: German, Spanish, Chinese, and French

A leader in the nation for closing the gender gap in engineering



2019 Readers' Choice A Top Engineering Universities & Graduate Schools Fostering Diversity & Inclusion. *Woman Engineer Magazine, Fall 2019*

OUR STUDENTS (FALL 2020)

Undergraduates	3385
Graduate Students	833

STUDENT CHARACTERISTICS

	UNDERGRAD	GRADUATE
Female	878	226
International	196	378

DEGREES CONFERRED 2019

Bachelors	775
Masters	143
Doctorate	96

DEGREE PROGRAMS

- BIOMEDICAL ENGINEERING: BSE, MS, PhD
- CHEMICAL & BIOMOLECULAR ENGINEERING: BSE, MS, PhD
- CIVIL ENGINEERING: BSE, MS, PhD
- COMPUTER ENGINEERING: BSE
- COMPUTER SCIENCE: BS
- COMPUTER SCIENCE & ENGINEERING: BSE, MS, PhD
- ELECTRICAL ENGINEERING: BSE, MS, PhD
- ENGINEERING PHYSICS: BS
- ENVIRONMENTAL ENGINEERING: BSE, MS, PhD
- MANAGEMENT & ENGINEERING FOR MANUFACTURING (MEM): BS
- MATERIALS SCIENCE & ENGINEERING: BSE, MS, PhD
- MECHANICAL ENGINEERING: BSE, MS, PhD
- POLYMER SCIENCE: MS, PhD

PROFESSIONAL PROGRAMS

MASTER OF ENGINEERING (MEng)

- Advanced Systems Engineering
- Advanced Manufacturing for Energy Systems
- Biomedical Engineering
- Chemical & Biomolecular Engineering
- Civil Engineering
- Clinical Engineering
- Composites Engineering
- Data Science
- Environmental Engineering
- Global Entrepreneurship
- Electrical and Computer Engineering
- Materials Science and Engineering
- MBA/MEng Dual Degree
- Mechanical Engineering

GRADUATE CERTIFICATES

- Advanced Materials Characterization
- Advanced Systems Engineering
- Bridge Engineering
- Composites Engineering
- Contaminated Site Remediation
- Engineering Data Science
- Process Engineering
- Power Engineering
- Power Grid Modernization
- Renewable Energy

SENIOR DESIGN PROGRAM

~220

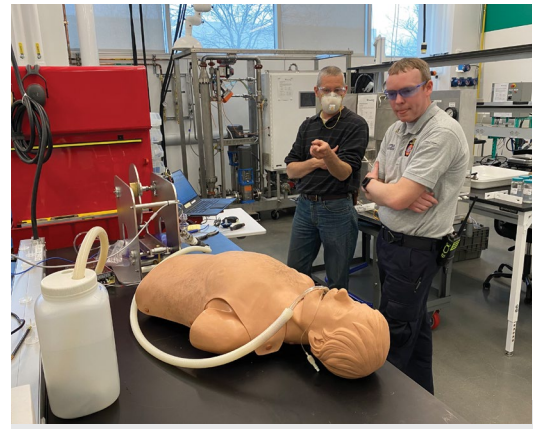
Project Teams

~120

Industry Sponsors

~800

Senior Students



RESEARCH AND IMPACT

Our research programs promote economic development through collaboration with our industry partners, provide valuable hands-on experiences for our students, and facilitate engagement with government labs and agencies. Every year, our faculty members bring in millions of research dollars to advance our nation's technological capabilities in a variety of sectors. These efforts help maintain UConn's status as one of the top public research institutions in the country.

\$53M

FY 19 Total Research Expenditures

\$365K

FY 19 Research Expenditures per Faculty

577

Active Grants

21

FY 19 Patents Issued

FACULTY

145

Tenured/Tenure Track Faculty Members

44

Endowed (17), Named (7), and Term Professors (20)

29

Teaching Faculty

4

2019 NSF CAREER Recipients

ECONOMIC IMPACT

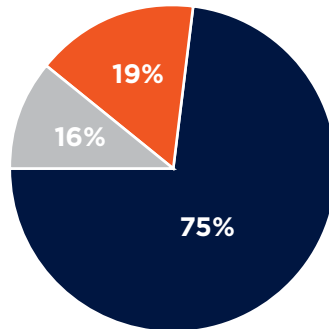
~\$100M

Invested by Industry in the new UConn Tech Park

40

Startups Launched with SoE Students and Faculty since 2017

RESEARCH FUNDING



FEDERAL INDUSTRY OTHER

37%

Portion of Connecticut Economy Generated by Engineering-related Industries

INDUSTRY ENGAGEMENT

~300

Companies Actively Collaborating with UConn Engineering past 5 years

CENTERS AND INSTITUTES

CENTER FOR CLEAN ENERGY ENGINEERING

CENTER FOR MATERIALS PROCESSING DATA

COLLINS AEROSPACE CENTER FOR ADVANCED MATERIALS

CONNECTICUT ADVANCED COMPUTING CENTER

- CENTER FOR HARDWARE AND EMBEDDED SYSTEMS SECURITY AND TRUST (CHEST)

- COMCAST CENTER OF EXCELLENCE FOR SECURITY INNOVATION

- SYNCHRONY FINANCIAL CENTER OF EXCELLENCE IN CYBERSECURITY

- VoTeR: CENTER FOR VOTING TECHNOLOGY RESEARCH

CONNECTICUT CENTER FOR APPLIED SEPARATIONS TECHNOLOGY (CCAST)

CONNECTICUT TRANSPORTATION INSTITUTE (CTI)

CONNECTICUT TRANSPORTATION SAFETY RESEARCH CENTER (CTSRC)

ENTERPRISE SOLUTION CENTER

- CONNECTICUT MANUFACTURING SIMULATION CENTER

- QUIET CORNER INNOVATION CLUSTER

- PROOF OF CONCEPT CENTER

EVERSOURCE ENERGY CENTER

NATIONAL INSTITUTE FOR UNDERSEA VEHICLE TECHNOLOGY

PRATT & WHITNEY ADDITIVE MANUFACTURING INNOVATION CENTER

REVERSE ENGINEERING FABRICATION INSPECTION & NON DESTRUCTIVE EVALUATION

UConn THERMO FISHER SCIENTIFIC CENTER FOR ADVANCED MICROSCOPY & MATERIALS ANALYSIS

UTC INSTITUTE FOR ADVANCED SYSTEMS ENGINEERING

UNIVERSITY CENTERS AND INSTITUTES

CENTER FOR ENVIRONMENTAL SCIENCES AND ENGINEERING

INSTITUTE OF MATERIALS SCIENCE

PETER J. WERTH INSTITUTE FOR ENTREPRENEURSHIP AND INNOVATION

www.engr.uconn.edu