

YEAR  
1

**SEMESTER 1**

CHEM 1127Q or 1147Q General Chemistry  
MATH 1131Q Calculus I  
ENGR 1000 Orientation to Engineering  
CSE 1010 Intro to Computing for Engineers  
ENGL 1010 Academic Writing  
or ENGL 1011 Writing through Literature

**SEMESTER 2**

CHEM 1128Q or 1148Q General Chemistry  
MATH 1132Q Calculus II  
ENGR 1166 Foundations of Engineering  
2 General Education Courses

YEAR  
3

**SEMESTER 1**

CE 2710 Transportation Engineering  
CE 3220 Principles of Construction I  
CE 3610 Basic Structural Analysis  
CE 3510 Soil Mechanics  
General Education Course

**SEMESTER 2**

CE 3520 Civil Engineering Materials  
or ENVE 3200 Environmental Engineering Lab  
ENVE 3120 Fluid Mechanics  
ENVE 2310 Environmental Engineering  
Fundamentals  
Science Elective  
General Education Course

YEAR  
2

**SEMESTER 1**

PHYS 1501Q Physics for Engineers I  
MATH 2110Q Multivariable Calculus  
CE 2110 Applied Mechanics I  
CE 2211 Engineering Economics  
CE 2411 Intro to Computer Aided Design  
PHIL 1104 Philosophy & Ethics

**SEMESTER 2**

PHYS 1502Q Physics for Engineers II  
MATH 2410Q Elementary Differential Equations  
CE 2251 Probability and Statistics in CEE  
CE 3110 Mechanics of Materials  
General Education Course

YEAR  
4

**SEMESTER 1**

CE 4900W Civil Engineering Projects I  
2 Civil Proficiency Area Requirements  
2 Professional Requirements  
Elective

**SEMESTER 2**

CE 4920W Civil Engineering Projects II  
2 Civil Proficiency Area Requirements  
Professional Requirement  
2 Electives

# CIVIL ENGINEERING





“The senior design program gave me my first taste of a real world engineering project which was an invaluable part of my experience at UConn. In my career it is the type of work I do every day, and having that exposure as a senior prepared me for success in my career.”

*Brett Decker, BS '14, MS '16, Civil Engineering Specialist, STV*



## YOUR PATH TO A REWARDING CAREER

UConn's civil engineering program prepares you to plan, design, construct, and maintain sustainable infrastructure systems that meet the evolving needs of humanity while maintaining and protecting the natural environment. Become a civil engineer to optimize the buildings in which we live and work, the transportation systems on which we travel, and the systems that deliver the water we drink.

Civil engineering encompasses several subdisciplines including environmental engineering, geotechnical engineering, structural engineering, transportation engineering, water resources engineering, and construction engineering. Civil engineers address some of the most important challenges that face society today, including:

- Monitoring and rehabilitating aging infrastructure
- Mitigating the impact of natural hazards on the built environment and protecting critical resources
- Building new infrastructure with green, high-performance construction materials
- Designing efficient and accessible transportation systems
- Managing water resources in a sustainable, equitable manner



## CAREERS

Our program is accredited by the Engineering Accreditation Commission of ABET, [www.abet.org](http://www.abet.org). As a graduate from our program, you will be well prepared to:

- Work for an engineering consulting firm, construction company, state or local government, or large manufacturer.
- Access a vibrant and growing job market. Civil engineering jobs are expected to grow by 6 percent in the next decade.
- Have an entry-level salary of \$55,000 (the 2018 median salary was \$93,000).



## REAL-WORLD EXPERIENCE

Many of our civil engineering students work in paid internship positions during semester breaks. Our Engineering Career Fair provides many opportunities to connect with potential employers. The newly-launched CEE Future Leaders Internship Program provides students in the Chi-Epsilon Honors Society with direct access to networking events with the region's top engineering firms. All UConn Engineering students develop their skills and showcase their learning through the yearlong Senior Design Project capstone course, solving real problems for local communities, businesses, and industry partners. Learn more at [seniordesign.engr.uconn.edu](http://seniordesign.engr.uconn.edu).



## RESEARCH OPPORTUNITIES

As a Civil Engineering student at UConn, you'll have access to world-class laboratory facilities and faculty expertise that will help you to expand your horizons and build your resume, as early as the summer of your freshman year.

**CEE UG Research Initiative:** Through this innovative program, the department sponsors up to 10 undergraduate students every year to spend an entire summer and academic year working on a research project of their choosing. The program offers a competitive hourly stipend and funds to present your work in a regional conference.

Whether you're attending a conference, working on an international research project in Ethiopia, or wading through the wetlands of Connecticut, you're sure to find opportunities for learning that go far beyond the classroom.



## ADVISING

All School of Engineering students meet with their individual advisors at least once per semester. Freshmen and sophomores are advised by the department professional advisor. Junior and senior students are assigned a faculty advisor who guides them through their core curriculum requirements, academic life, and career objectives.