
Open House Spring 2006

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What does UConn have to offer?

- A Carnegie Foundation “Research Universities/Very High” (Research Extensive) University
- 17 schools and colleges
- 8 undergraduate degrees – 106 majors
- 13 graduate degrees – 80 fields of study
- 4 professional degree programs
- Ranked #1 public university in New England
(*U.S. News & World Report*)



The University of Connecticut

- Completed the 10-year UConn 2000 initiative that has invested \$1 billion in buildings and infrastructure
- Starting “**21st Century UConn**” initiative – a \$1.3 billion state initiative to establish UConn as the best public research university in the Northeast



The University of Connecticut

- Approximately 16,500 undergraduate students enrolled at the Storrs campus and 27,700 students enrolled at all campuses
- UConn's freshman enrollment has grown by 100% since 1997 and entering students' average SAT scores increased by 90 points
- Offers 4-year academic merit and need-based scholarships to entering freshmen



Why should I attend UConn's School of Engineering?

- We are a small school within a university
- Small classes taught by full-time faculty
- You are mentored, coached and advised by a faculty advisor
- Growing undergraduate enrollment
- Common first semester courses
- 12 programs and other educational options
- Opportunity to conduct undergraduate research with faculty members
- Facilities and technological resources



Accreditation Agencies

- New England Association of Schools and Colleges (NEASC)
- Accreditation Board for Engineering & Technology (EAC/ABET)
- Computing Sciences Accreditation Board (CSAC/CSAB)
- Association to Advance Collegiate Schools of Business (AACSB)



Undergraduate Enrollment

- Freshman enrollment has more than doubled since 1998
- Total undergraduate enrollment has increased by 78% to 1600 students
- Over 300 students on scholarship



Undergraduate Enrollment cont'd.

- Typical admitted student profile for fall '06: 1293 combined verbal & math SAT score and ranked in the top 15% of high school class.
- SOE has the highest percentage of Honors Program students of any of the 17 schools at UConn
- 52 Valedictorians and Salutatorians admitted this year



SOE Scholarships

- \$852,000 academic merit scholarships offered to fall '06 entering students
- Will award approximately \$600,000 to 215 continuing students on April 20, 2006



Admission Requirements/Options

- If a prospective student has:
 - Minimum 1200 combined math & verbal SAT score, top 30% of high school class and minimum 3.0 GPA – Admission Office authorized to admit to SOE
 - Minimum 600 math SAT, top 30% high school class and minimum 3.0 GPA – application is reviewed by assistant dean and each case is evaluated individually



Admission Requirements/Options

- All other applicants are eligible to take a freshman engineering course in addition to math and science courses and will be admitted to the School of Engineering in January, provided they have earned a minimum 2.7 GPA



School of Engineering Today

- Five academic departments:
 - Chemical, Materials & Biomolecular Engineering
 - Civil & Environmental Engineering
 - Computer Science & Engineering
 - Electrical & Computer Engineering
 - Mechanical Engineering



School of Engineering Today

- Undergraduate degrees
 - Bachelor of Science in Engineering (BSE)
 - Bachelor of Science
 - Joint BSE and BA in German Language
 - Joint BS with Engineering and Physics
 - Joint BS with School of Business



Bachelor of Science in Engineering

- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science & Engineering
- Electrical Engineering
- Environmental Engineering
- Mechanical Engineering
- Materials Science & Engineering



Bachelor's Degrees

- Engineering Physics (BS)
- Management and Engineering for Manufacturing (BS)
- Computer Science (BS)
- International Engineering - EUROTECH (BA in German Language plus BSE)



SOE Minors

- Biomedical Engineering
- Bioinformatics
- Environmental Engineering
- Information Technology
- Materials Science & Engineering



Common First Semester

- Fall semester
 - Chemistry
 - Mathematics
 - English
 - Programming course
 - Intro to Engineering
- Spring semester
 - Chemistry/Physics
 - Mathematics
 - Engineering course
 - General Education
 - General Education (optional)

15 credits

14 (17) credits



Faculty & Research

- 110 highly qualified teachers, researchers and mentors
- 17 endowed named and chair professorships
- 13 female faculty members



Additional Student Resources and Support

- Faculty member as your advisor
- Center for Mentoring, Advising & Tutoring (MAT)
- 84+ hours per week of tutoring in math, science and engineering courses
- 15 professional and scholarly student societies
- Two Engineering Learning Centers
- Diversity Director and special programs
- Director of Advising
- Study Abroad/COOPs/Internships



As a Carnegie Foundation Research Extensive University

- We generate knowledge, new processes and ideas that have resulted in 175 patents
- Since 2002, the School has increased its annual research expenditures from \$12 million to \$18 million
- Examples of single grants recently garnered by faculty:
 - Department of Transportation – \$2.0 million
 - Department of Energy – \$1.6 million
 - Office of Naval Research – \$1.2 million
 - National Institutes of Health – \$1.1 million
 - National Science Foundation – \$.7 million
- All grants have provisions for undergraduate research



School of Engineering Facilities

- ITE building housing Computer Science & Engineering and Electrical & Computer Engineering – completed in May 2003
- A new engineering building as part of 21st Century UConn
- Engineering complex and physical plant comprises eight existing structures at the Storrs and adjoining Depot campuses
- Renovation and retention of 36,000 sq. ft. building for our Biomedical Engineering Program and environmental research laboratories
- 16,000 sq. ft – Connecticut Global Fuel Cell Center
- School maintains dedicated network of computing services (ECS)
- \$147 million sophisticated engineering graphics and analysis software



School of Engineering's Future Plans

- Achieve recognition as the most comprehensive public engineering program in the Northeast, become a regional center for excellence by:
 - Recruiting,
 - Embracing,
 - Supporting, and
 - Retaining
- ...excellent students, faculty and staff



How will this be achieved?

- Recruit and retain top students by:
 - Offering innovative programs and world renowned faculty
 - Offering free tutoring services – MAT Center, peer tutoring, student societies, mentoring
 - Having full-time faculty teach all courses and advise your daughters and sons
- Recruit world-class faculty:
 - Four Endowed Chair Professors – searches in progress
 - Six Named Professorships for younger faculty
- Residential and course clustering
- Foster university-industry cooperation and partnership – a model for other public universities



Summary

- Five major academic departments
- Twelve undergraduate programs
- Five minor programs
- Approximately 1600 undergraduates & 110 full time faculty



Contact Us!

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