Study Abroad in Engineering

Spring 2025 Cohort: First Year Students will continue to take math, science, and engineering or computing courses and stay on track to graduate.

Explore another country, embed yourself in another culture, and enhance your learning experience.

Next steps: start your application!

Prato Semester application

Savanna Pantoja, '26
Major: Mechanical Engineering
Study Abroad: Prato, Italy

My favorite memory from my time in Prato is when I climbed to the top of the dome of the Duomo (Cathedral) of Florence. We climbed over 450 steps to see the amazing view of the city.

Everyday during the summer, I used our snack vouchers to get gelato. I was able to try all 15 flavors!

Prato has a rich Italian scientific history such as the inventions of Galileo and Leonardo, and the chance to go to specific museums in Florence to see more about them. I went to the Leonardo De Vinci museum and got to see the sketches from his codices made into real life prototypes. I loved my semester in Prato so much, I went back to be an RA this summer!
## College Structure and Overview

<table>
<thead>
<tr>
<th>Office of the Dean</th>
<th>Chemistry and Chemical Engineering and Biomedical Engineering Dept (CCBM)</th>
<th>Civil and Environmental Engineering Department (CEE)</th>
<th>Engineering and Applied Science Courses (EASE)</th>
<th>Electrical and Computer Engineering and Computer Science Dept (ECECS)</th>
<th>Mechanical and Industrial Engineering Department (MIE)</th>
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<tbody>
<tr>
<td>Dean Ron Harichandran</td>
<td>Chair: Dr. Dequan Xiao</td>
<td>Chair: Dr. Byungik Chang</td>
<td>Coordinator: Professor Eric Brisart</td>
<td>Chair: Dr. Ali Golbazi</td>
<td>Chair: Dr. Ganesh Balasubramanian</td>
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<tr>
<td>Associate Dean Stephanie Gillespie</td>
<td>BS Chemistry</td>
<td>BS Civil Engineering</td>
<td>BS Engineering</td>
<td>BS Electrical and Computer Engineering</td>
<td>BS Mechanical Engineering</td>
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<tr>
<td>Assistant to the Dean: Dionne Gray-Wilson</td>
<td>BS Chemical and Biomolecular Engineering</td>
<td>Sustainability Minor</td>
<td>EASC courses</td>
<td>BS Computer Science</td>
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<tr>
<td></td>
<td>MS Biomedical Engineering (Dual Degree)</td>
<td>Environmental Engineering Minor</td>
<td>Entrepreneurial Mindset in STEM Certificate</td>
<td>BS Cybersecurity</td>
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Classroom Technology – TCoE Laptop Policy

TCoE classes utilize a variety of technology and software during the class periods. We provide the software, but you will need to have a compatible laptop for the duration of your studies.

All Engineering Students:
Windows PC, Intel i7 processor, 16 GB or more RAM, 1TB or more SSD, Dedicated Graphics Card

Computer Science and Cybersecurity & Networks Students:
You have the option to purchase a Windows or Mac computer (check your email).

Chemistry Students:
No laptop required, but most college courses will benefit from personal ownership of a laptop.

Important to note for all academic programs: Chromebooks and Surface in S-mode tablets cannot run all required software and services and are not recommended.
Initial MATH Placement Matters

Placement was based on prior math courses and grades earned.

If you are not starting in the “expected” math course, you may need to catch-up or you won’t be able to graduate in 4 years.

Not happy with your placement? You can:

- Make sure we have your AP test results or college class transcript
- Study the available course materials online and take your challenge test (TBD).
- Accelerate through MATH 1110 + MATH 1115 in the fall semester with the Math Zone.
Before classes start
- Charge-In and Orientation sessions week before classes start
- Academic advisor may be available during email during summer, but expect delays
- Review your academic worksheet or degree audit for preview of all required courses in your program

Once classes start
- Visit faculty during office hours, or make an appointment
- Academic advising for Spring course registration will happen in October - must book an appointment to be able to register
## UNewHaven Academic Resources

<table>
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<tr>
<th>Resource</th>
<th>Description</th>
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<tr>
<td>Center for Student Success</td>
<td>Help with general study habits or college success, including college transitions. First year student schedule support.</td>
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<tr>
<td>Accessibility Resource Center (ARC)</td>
<td>Review and support learning accommodations to be successful in courses</td>
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<tr>
<td>Faculty Office Hours, Peer Assistants, Center for Learning Resources (CLR), MathZone</td>
<td>Free Tutoring. Students can get help with course materials from professors, peer tutors, or professional tutors.</td>
</tr>
<tr>
<td>Writing Center</td>
<td>Provide writing support for starting a term paper, grammar, or “too wordy” essays</td>
</tr>
<tr>
<td>Academic Advisors</td>
<td>Provide academic advice for course selection, career advice, or help navigating our university system</td>
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</table>
College Professionalism-Courses

Helping your student understand college course responsibilities

• Attendance is expected, even in “remote” courses
• Cameras may be used for participation, exams, etc.
• Have policy/procedure/format questions? Check the syllabus first!
• They are responsible for your own education: track the assignment deadlines, review grades and feedback, and ask for help early and often

Grades

• It is okay for them ask for clarification on how an assignment was graded.
• Grading concerns should be brought to the professor first, then the chair, then the Associate Dean.
• Note we cannot discuss academic grades or educational records with family members unless FERPA release is signed each academic year.
Your student’s four-year college to career plan

First Year:
- Engineering LLC
- Intro courses
- Get involved in student orgs
- Meet your academic advisor
- Create your LinkedIn Profile

Second Year:
- Update your resume from HS to College
- Expand into technical courses
- Take on leadership roles
- Begin meeting companies at events
- Visit Career Development Center for resume workshops and interviewing workshops

Third Year:
- Begin to choose technical electives
- Continue extracurricular and leadership activities
- Consider undergraduate research
- Continue to build your professional network
- Determine direct to industry or grad school
- Find your internship

Fourth Year
- Capstone design experience
- Job applications or grad school applications
- Continued networking with technical societies and speakers on campus
Learning happens outside of the classroom too

<table>
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<th>Professional Organizations</th>
<th>Honor Societies</th>
<th>General Opportunities</th>
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<tr>
<td>• Society of Women Engineers (SWE)</td>
<td>• ACS (Chemistry)</td>
<td>• Eta Kappa Nu</td>
<td>• Makerspace</td>
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<tr>
<td>• Society of Hispanic Professional Engineers (SHPE)</td>
<td>• AIChe (ChemE)</td>
<td>• ECE</td>
<td>• Engineering Student Ambassadors</td>
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<tr>
<td>• National Society of Black Engineers (NSBE)</td>
<td>• ASCE (Civil)</td>
<td>• Pi Tau Sigma</td>
<td>• EASC Course Peer Assistants</td>
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<tr>
<td>• Women in Cybersecurity (WiCyS)</td>
<td>• ASME (MechE)</td>
<td>• MechE</td>
<td>• Summer Undergraduate Research Fellowship (SURF)</td>
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<td></td>
<td>• Engineers Without Borders (EWB)</td>
<td>• Theta Tau</td>
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<td></td>
<td>• IEEE (ElecEng.)</td>
<td>• all Engineering</td>
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<td></td>
<td>• IISE (Ind. &amp; Syst. Eng)</td>
<td>• Upsilon Pi Epsilon</td>
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<td></td>
<td>• Robotics Club</td>
<td>• CompSci</td>
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<td></td>
<td>• Hacking Team</td>
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Dual Degrees

Interested in also earning a MS Degree?

To enter the direct-entry dual-degree program and ensure proper advising, you must opt-in before add/drop (first week of school).

If students do not opt-in now, their next window will be junior year.

Email Rob Holub (rholub@newhaven.edu) to learn more.
UNewHaven Support Resources

- Hungry or missing meals: Campus Pantry
- Need clothing for an interview: Career Closet
- Someone to listen- stress, anxiety, mental health, etc.: Counseling and Psychological Services
- Death of family member, or illness that needs doctors note for missing class: Dean of Students Office
- Don’t know where to start: TCoE Associate Dean
- Report bias, inappropriate conduct, etc.: Report It forms or Dean of Students
- Supplies available for check-out from Dean’s Office: Graphing and Non-Graphing Calculators, Padfolios (for interviewing), Arduino Kits, Laptops*
Connect with a Peer Mentor

TCoE First Year Mentoring program

- Incoming students are mentored by sophomores and juniors (transfer mentors available)
- Mentor/mentee pairing is based on interests of both parties
- Texting, meeting in person, or emails – you choose how often you talk and for what reasons. Start building connections this summer!

Signup link: bit.ly/NHFYEmentee

Note this program is separate from the mentoring program sponsored by the Myatt Center for Diversity and Inclusion.
3 tips to support your student:

Students resist asking for help.
- Encourage them to visit faculty, the CLR, or peer assistants for help if they begin to struggle academically.

Students don’t get involved, missing out on making friends, study groups, and meeting faculty.
- We recommend they join 1-2 student organizations in their first semester, ideally a TCoE student org

Students feel like no one cares because their professors/advisors don’t respond to email immediately
- Plan ahead: allow at least 2 business days for email responses
- Schedule meetings directly, stop by their office, or call their office number
Keeping in Touch

Your student will receive a follow email from the Tagliatela College of Engineering with this presentation and signup links for our mentoring program!

Send your questions to:
Dr. Stephanie Gillespie,
Associate Dean, TCoE
sgillespie@newhaven.edu