

University of New Haven

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# TCOE FOR FAMILIES AND FRIENDS

Dr. Stephanie Gillespie, Associate Dean  
Summer 2025



# Study Abroad in Engineering

Spring 2026 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 last summer!

# Tagliatella College of Engineering (TCoE): Structure and Overview

Office of the  
Dean

Dean Ron  
Harichandran

Associate Dean  
Stephanie  
Gillespie

Assistant to the  
Dean: Dionne  
Gray-Wilson

Chemistry and  
Chemical  
Engineering  
and  
Biomedical  
Engineering  
Dept (CCBM)

Chair: Dr.  
Dequan Xiao

BS Chemistry

BS Chemical and  
Biomolecular  
Engineering

MS Biomedical  
Engineering  
(Dual Degree)

Civil and  
Environmental  
Engineering  
Department  
(CEE)

Chair: Dr.  
Byungik Chang

BS Civil  
Engineering

Sustainability  
Minor

Environmental  
Engineering  
Minor

Engineering and  
Applied Science  
Courses (EASE)

Coordinator:  
Professor Eric  
Brisart

BS Engineering

EASC courses

Entrepreneurial  
Mindset in STEM  
Certificate

Electrical and  
Computer  
Engineering and  
Computer  
Science Dept  
(ECECS)

Chair: Dr. Ali  
Golbazi

BS Electrical and  
Computer  
Engineering

BS Computer  
Science

BS Cybersecurity

Mechanical and  
Industrial  
Engineering  
Department  
(MIE)

Chair: Dr. Ganesh  
Balasubramanian

BS Mechanical  
Engineering

# 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 the new student roadmap).

## 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 your student is not starting in the “expected” math course, they may need to catch-up or won’t be able to graduate in 4 years.

Not happy with their placement? Your student can:

- Make sure we have their AP test results or college class transcript
- Study their math materials (Algebra I & II, Geometry, and Pre-Calculus) and take (or re-take) the math placement
- 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 the academic worksheet or degree audit for preview of all required courses in the 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

**Getting  
acquainted to  
their  
academic  
program**

# 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

## Third Year:

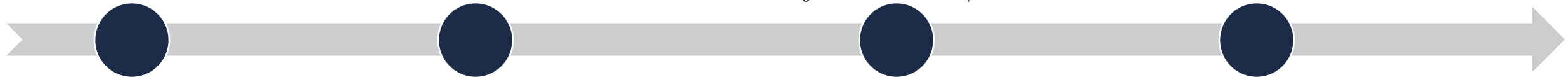
- Begin to choose technical electives
- Continue extracurricular and leadership activities
- Consider undergraduate research
- Continue to build your professional network
- Determine direct to industry or grad school
- Find your internship

## 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

## 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

## Diversity Organizations

- Society of Women Engineers (SWE)
- Society of Hispanic Professional Engineers (SHPE)
- National Society of Black Engineers (NSBE)
- Women in Cybersecurity (WiCyS)

## Professional Organizations

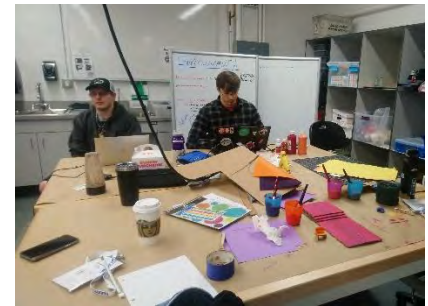
- ACS (Chemistry)
- AIChE (ChemE)
- ASCE (Civil)
- ASME (MechE)
- Engineers Without Borders (EWB)
- IEEE (ElecEng.)
- IISE (Ind. & Syst. Eng)
- Robotics Club
- Hacking Team

## Honor Societies

- Eta Kappa Nu
- ECE
- Pi Tau Sigma
- MechE
- Theta Tau
- all Engineering
- Upsilon Pi Epsilon
- CompSci

## General Opportunities

- Makerspace
- Engineering Student Ambassadors
- EASC Course Peer Assistants
- Summer Undergraduate Research Fellowship (SURF)





# UNewHaven Academic Resources

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

# 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 (CAPS)**
- 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\*

## 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



# Understanding Academic Professionalism in College

## Courses

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

## Grades

- It is okay to 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.



# 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](https://bit.ly/NHFYEmentee)





# Dual Degrees

Interested in also earning a MS Degree?

To enter the direct-entry dual-degree program and ensure proper advising, students 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](mailto:rholub@newhaven.edu)) to learn more.





# Keeping in Touch

Your student will receive their schedule tomorrow during the advising sessions. We can't wait to see them in person the week before classes for Charge In!

Send your questions to:

Dr. Stephanie Gillespie,  
Associate Dean, TCoE

[sgillespie@newhaven.edu](mailto:sgillespie@newhaven.edu)

