



University of
New Haven

Welcome to **SOAR**

TCoE for Families and Friends

Dr. Stephanie Gillespie

Summer 2026



Welcome to TCoE!



Tagliatela 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 De pt (CCBM)

Chair: Dr. Kristine
Horvat

BS Chemistry

BS Chemical and
Biomolecular
Engineering

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

Electrical and Computer Engineering and Computer Science Dept (ECECS)

Chair: Dr. Ali
Golbazi

BS Electrical and
Computer
Engineering

BS Computer
Science

BS Cybersecurity

BS Artificial
Intelligence

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 only

Computer Science: Mac preferred or Windows

AI and Cybersecurity Students: Mac or Windows

Chemistry Students: No laptop required

Minimum Apple Requirements

Laptop Type	MacBook
Chip	M3 or M3 Pro (Max not necessary)
Processor	M3 or higher
Memory (RAM)	16GB+ Unified
Storage (SSD)	1TB+

Minimum Windows Requirements

Laptop Type	Windows Laptop
Processor	Intel i7/i9 or higher
Memory (RAM)	16GB+
Storage (SSD)	2TB+
Graphics (GPU)	AMD Radeon RX 6700/6800/6900+ or NVIDIA 1080+ or Intel Arc

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 exam was required to build fall student schedules unless coming in with math from a college-transcript
- 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
 - Math placement retakes are only permitted if placement exam result shows lower than relevant high school math course and grade earned
 - Accelerate through both MATH 1110 + MATH 1115 in the fall semester with the Math Zone.



Learning about their academic program

Before classes start

- Charge- In and Orientation sessions week before classes start
- Academic advisor may be available via email during summer, but expect delays
- Review the academic worksheet, online catalog page, 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- usually make an appointment



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

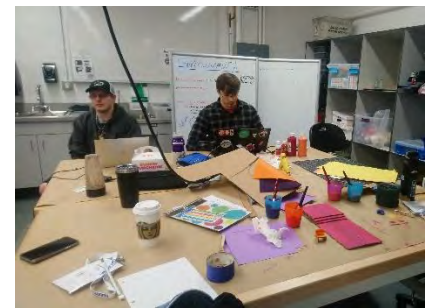
- ACS (Chemistry)
- AIChE (ChemE)
- ASCE (Civil)
- ASME (MechE)
- Engineers Without Borders (EWB)
- IEEE (ElecEng.)
- IISE (Ind. & Syst. Eng)
- Robotics Club
- Hacking Team
- SAE Baja team

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 Academic Support and Advising (CASA)	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, Tutoring and Academic Support Center (TASC), 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 TASC, 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” online 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, even if you are paying the bill!



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

An aerial photograph of a circular plaza at the University of New Haven. The plaza is paved with light-colored tiles and has a large circular seal in the center. The seal features the university's name, 'UNIVERSITY OF NEW HAVEN', and 'CONNECTICUT' around the perimeter, with a central emblem containing the year '1920'. Several students are walking around the plaza. The plaza is surrounded by green grass and trees.

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