



FIRST YEAR

SECOND YEAR

THIRD YEAR

FOURTH YEAR

PLEASE NOTE: ACADEMIC COURSE SELECTION CHANGES RAPIDLY. MAKE SURE YOU ARE USING DEGREEWORKS AND MEETING WITH YOUR ACADEMIC ADVISOR REGULARLY.

ACADEMIC COURSE TRACK

Learn about the profession and how to succeed in college with Introduction to Civil Engineering.

Build your fundamental knowledge in math and physics.

Diversify your knowledge through Discovery program electives, including First Year Writing.

Begin your program electives- meet with your program advisor to ensure you are taking the right mix of program electives and consider minor and dual major options.

Establish a strong foundation in the major through 500 level civil and environmental classes.

Continue math and physics and add chemistry.

Continue to work with your faculty advisor on a plan to meet your academic and career objectives.

Seek summer field work or research experience.

Explore main areas of civil engineering through 600-level lecture and laboratory courses.

Consider study abroad and study away options to broaden your perspectives.

Finish your math sequence and work on finishing up Discovery and minor electives.

Fine tune your resume, attend the job fairs and career sessions, and seek a summer internship or undergraduate research.

Shape your advanced education through 700-level electives and the senior capstone experience.

Decide between graduate school and embarking on your career. Attend CaPS events and professional meetings. Gather recommendations and fill out applications.

Complete program, minor, and Discovery requirements.

FAST TRACK YOUR PROFESSIONAL SKILLS BY PRESENTING YOUR RESEARCH, PROJECTS, AND CAPSTONE/THESIS EXPERIENCES AT THE UNDERGRADUATE RESEARCH CONFERENCE-INTERDISCIPLINARY SCIENCE AND ENGINEERING SYMPOSIUM

WILDCAT WAY TO PROFESSIONAL SUCCESS

BUILD AWARENESS

- Identify your interests, skills, and values**
Career and Professional Success staff can provide assessment tools to help with the exploration process
- Learn about your field of interest: industry areas, job types/titles, growth projections**
Review O*Net, the Bureau of Labor Statistics, Potential Careers for your Major pages, Vault, and Pathsource
- Map your skills to industry needs**
Search job descriptions; indeed.com, LinkedIn, and company specific pages to learn what skills are in demand
- Understand the career paths of fellow students and alumni**
Join Wildcat Connections, review alumni LinkedIn profiles, UNH Today, and college websites for alumni stories
- Understand salary ranges for your industry**
Search Salary.com, Glassdoor, O*Net, and the Bureau of Labor Statistics to find ranges for roles in your industry

BUILD PROFESSIONAL IMAGE

- Create and update career documents**
Including resumes, cover letters, and other professional correspondence
- Create and practice your professional pitch**
Take part in the Career Storytelling workshop series with the College of Liberal Arts CaPS team
- Develop your LinkedIn profile**
Attend Career Express or CaPS Workshop Series to receive feedback and tips on optimizing your profile
- Practice interviewing for your specific industry/field and professional goals**
Use InterviewStream website to record a practice interview, conduct a mock interview with a mentor/employer
- Cultivate your professional image**
Dress for success, learn industry specific etiquette, and review your digital presence (social media and web search results)

ACADEMIC

- Engage in research and field experience**
Take the Jackson Career Explorer, Skills Scan, or Values Card Sort (available through Career and Professional Success)
- Publish your research and papers**
Submit your research to psychology specific journals
- Present at professional conferences and competitions**
Take part in the Undergraduate or Graduate Research Conference
- Secure a Teaching Assistant, Lab Assistant, or tutoring position**
Take on a leadership or service position within your department to support your peers
- Study away to build your national and global citizenship**
Find the right program for you with National Student Exchange, Semester in the City, Education Abroad, etc.
- Consider submitting your research to appropriate engineering and science journals**
Take part in the Undergraduate or Graduate Research Conference as well as any department poster sessions

CO-CURRICULAR

- Learn about all of the resources available on campus**
Explore the A-Z Resource Guide on unh.edu to see all UNH has to offer
- Volunteer to support your local or global community**
UNH Civic and Community Engagement
- Join and participate in clubs and/or student organizations**
Find through the Office of Student Involvement and Leadership, academic organizations, and Campus Recreation
- Pursue student leadership positions**
Apply to be a Resident Assistant, take a leadership position in an organization, run for student government

PROFESSIONAL

- Shadow professionals and companies of interest**
Use Wildcat Connections or campus connections to build relationships and request job shadowing experiences
- Secure at least one internship**
Search through Wildcat Careers, established Psychology internship opportunities, or other connections to find options
- Get a part-time job to build other transferrable skills**
Attend the Local and On-Campus Student Job Fair, inquire with campus departments, or local businesses
- Search through Wildcat Careers, Indeed.com, and pay attention to department and career weekly emails**

BUILD RELATIONSHIPS

- Build professional and personal networks**
Connect with alumni, faculty, staff, employers, supervisors, parents, friends, friend's parents, etc. Create a profile on Wildcat Connections, join national associations, and expand your LinkedIn connections
- Attend employer events on campus and in the community**
Resume Review Days, Career and Internship Fairs, employer tabling, information sessions, employer and alumni panels
- Conduct informational interviews**
Meet with a variety of professionals from desired industry/organizations to hear their career stories and advice
- Secure 3-5 professional references**
Connect with a combination of appropriate employers, faculty, staff, and/or supervisors



WILDCAT WAY TO PROFESSIONAL SUCCESS



At the University of New Hampshire, students develop personal and professional skills by following the Wildcat Way to Professional Success. This model is designed to provide guidance and recommended action steps throughout the UNH experience, equipping students with the knowledge and tools to thrive in an ever-changing future.

EXPERIENTIAL LEARNING

Learning happens not only in the classroom and on campus, but also, and equally as important, through hands-on interactions and engagement with industry, national labs, NSF-REUs, and other organizations and partners. Experiential learning helps students to "connect the dots" and explore the link between academic interests and potential career paths. Students participate in experiential learning at a variety of sites, including:

- D.C. Beane & Associates
- GZA GeoEnvironmental, Inc.
- McFarland Johnson
- NH DOT
- Simpson Gumpertz & Heger
- Tighe & Bond

GRADUATE SCHOOL

Graduates from the CEPS Class of 2017 enrolled in masters and doctoral programs at the following institutions:

- University of New Hampshire
- Clemson University
- Colorado State University
- Duke University
- Rensselaer Polytechnic Institute
- Stanford University
- Technical University of Munich
- Texas A&M
- Tufts University
- University of Colorado Boulder
- University of Michigan

POTENTIAL CAREERS

Civil Engineering

Employment of civil engineers is projected to grow 8 percent from 2014 to 2024. As infrastructure continues to age, civil engineers will be needed to manage projects to rebuild bridges, repair roads, and upgrade levees and dams as well as airports and buildings. A growing population leading to increasing urbanization means that new water systems will be required while, at the same time, aging, existing water systems must be maintained to reduce or eliminate leaks. In addition, more waste treatment plants will be needed to help clean the nation's waterways. Civil engineers will continue to play a key part in all of this work. The work of civil engineers will be needed for renewable-energy projects. Often, getting permits for many of these projects takes years, and civil engineers play a key part in the process. Thus, as these new projects gain approval, civil engineers will be further involved in overseeing the construction of structures such as wind farms and solar arrays. Potential careers include, but are not limited to:

- Civil Engineer
- Structural Engineer
- Project Manager
- Design Engineer
- Environmental Engineer
- Quality Engineer
- Service Engineer
- Field Engineer