



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**

Begin your program sequence by completing you 400-level ESCI requirements.

Begin your math sequence.

Begin your foundational science courses--this program has both a chemistry and a physics requirement.

Start exploring and completing Discover program courses.

Continue your program sequence by completing your 500-level ESCI requirements.

Continue your math and science sequence.

Continue exploring and completing your Discover program courses.

Begin taking program electives. Note, there are 5 approved tracks in this program--make sure to work with your program advisor to select the courses for your desired track.

Continue your program sequence by completing the ESCI classes required in your chosen track.

Begin to complete required science/math electives.

Continue exploring and completing your Discover program courses.

Continue taking program electives. Make sure to work with your program advisor to select courses pertinent to your track.

Continue your track sequence by completing your 700 level ESCI classes.

Complete senior capstone.

Complete your Discovery program courses.

Complete program electives. Make sure to work with your program advisor to select courses pertinent to your track.

Complete your required math/science electives.

**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)

**BUILD EXPERIENCE**

**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:

- AECOM
- GZA GeoEnvironmental
- Local and distance secondary schools
- NOAA
- Tighe & Bond
- US Environmental Protection Agency

**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**

**BS Earth Science**

Employment of geoscientists is projected to grow 14 percent from 2016 to 2026, faster than the average for all occupations. The need for energy, environmental protection, and responsible land and resource management is projected to spur demand for geoscientists.

Many geoscientists work in oil and gas extraction and related engineering services and consulting firms. Demand for their services in these industries will be dependent on the demand for the exploration and development of oil and gas wells. New technologies, such as horizontal drilling and hydraulic fracturing, allow for the extraction of previously inaccessible oil and gas resources, and geoscientists will be needed to study the effects such technologies have on the surrounding areas.

Geoscientists will be involved in discovering and developing sites for alternative energies, such as geothermal energy and wind energy. For example, geothermal energy plants must be located near sufficient hot ground water, and one task for geoscientists would be evaluating if the site is suitable.

Employment of hydrologists is projected to grow 10 percent from 2016 to 2026, faster than the average for all occupations. Population growth and environmental concerns are expected to increase demand for hydrologists. Potential careers include, but are not limited to:

- Staff Scientist
- Geodetic Surveyor
- Hydrologist
- Natural Resource/Wetland Project Assistant
- Natural Resource Analyst
- Bathymetrist
- Teacher or Educator
- Environmental Coordinator
- R&D Scientist
- Regional Sill Coordinator
- Cartographer