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

ACADEMIC COURSE TRACT

FIRST YEAR
Begin your program sequence by completing your 100-level ESCI requirements.
Begin your math sequence.
Begin your foundation science courses—this program has a chemistry and a physics requirement.
Start exploring and completing Discover program courses.

SECOND YEAR
Continue your program sequence by completing your 100-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.

THIRD YEAR
Continue your program sequence by completing the ESCI core 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.

FOURTH YEAR
Continue your track sequence by completing your 400-level ESCI courses.
Complete senior capstone.
Complete your Discover 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.

WILDCAT WAY TO PROFESSIONAL SUCCESS

BUILD AWARENESS
- Identify your interests, skills, and values
- Learn about your field of interest industry areas, job titles/types, growth projections
- Map your skills to industry needs
- Understand the career paths of fellow students and alumni
- Create and update career documents
- Create and practice your professional pitch
- Develop your LinkedIn profile
- Practice interviewing for your specific industry/field and professional goals
- Cultivate your professional image

BUILD PROFESSIONAL IMAGE
- Academic
  - Engage in research and field experience
  - Publish your research and papers
  - Present at professional conferences and competitions
  - Secure a Teaching Assistant, Lab Assistant, or tutoring position
- CO-CURRICULAR
  - Learn about all the resources available on campus
  - Volunteer to support your local or global community
  - Join and participate in clubs and/or student organizations
  - Pursue student leadership positions
  - Professional
  - Shadow professionals and companies of interest
  - Secure at least one internship
  - Secure a part-time job to build other transferrable skills
  - Search through Wildcat Careers, Indeed.com, and pay attention to department and career weekly emails

BUILD EXPERIENCE

BUILD RELATIONSHIPS
- Build professional and personal networks
- Attend employer events on campus and in the community
- Conduct informational interviews
- Secure 3-5 professional references

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