### ACADEMIC COURSE TRACK

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>SECOND YEAR</th>
<th>THIRD YEAR</th>
<th>FOURTH YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Begin your program sequence with your chemical engineering lectures.</td>
<td>Continue your program sequence with Introduction to Chemical Engineering I &amp; II.</td>
<td>Continue your program sequence with 600 level chemical engineering classes.</td>
<td>Complete your program sequence with 600 &amp; 700 level chemical engineering classes and labs as well as your chemical engineering design capstone.</td>
</tr>
<tr>
<td>Begin your math sequence.</td>
<td>Begin Discovery program electives, including Chemical Principles for Engineers and First Year Writing.</td>
<td>Continue your math sequence.</td>
<td>Select program electives with the support of your program advisor.</td>
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<tr>
<td>Begin Discovery program electives.</td>
<td>Begin your science sequence.</td>
<td>Continue with your Discovery program electives.</td>
<td>Complete Discovery program electives.</td>
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<tr>
<td>Continue with your science sequence and labs.</td>
<td></td>
<td>Complete your science sequence and labs if needed.</td>
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</tbody>
</table>

**FAST TRACK YOUR PROFESSIONAL SKILLS BY PRESENTING YOUR RESEARCH, PROJECTS, AND A 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
- Learn about your field of interest: industry areas, job types/titles, growth projections
- Map your skills to industry needs
- Understand the career paths of fellow students and alumni
- Understand salary ranges for your industry
- 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**
- Engage in research and field experience
- Publish your research papers
- Present at professional conferences and competitions
- Secure a Teaching Assistant, Lab Assistant, or tutoring position
- Study away to build your national and global citizenship
- Consider submitting your research to appropriate engineering and science journals

**BUILD EXPERIENCE**
- Learn about all of 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
- Get a part-time job to build other transferable skills
- Search through Wildcat Careers, Indeed.com, and pay attention to department and career weekly emails

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

Apple  
Lonza  
LSNE Contract Manufacturing  
NYCOA  
Novo Nordisk  
Superior Controls

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

Chemical Engineering

Demand for chemical engineers’ services depends largely on demand for the products of various manufacturing industries. The ability of these engineers to stay on the forefront of new emerging technologies will sustain employment growth. Many chemical engineers work in industries that have output sought by many manufacturing firms. For instance, they work for firms that manufacture plastic resins, used to increase fuel efficiency in automobiles. Increased availability of domestically produced natural gas should increase manufacturing potential in the industries employing these engineers.

In addition, chemical engineering is migrating into new fields, such as nanotechnology, alternative energies, and biotechnology, thereby helping to sustain demand for engineering services in many manufacturing industries. Potential career include, but are not limited to:

- Chemical Engineer
- Process Engineer
- Product Engineer
- Manufacturing Engineer
- Operations Engineer
- Quality Engineer

unh.edu/career