



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 with your Freshman Seminar and other 400-level PHYS courses.

Begin Discovery and program electives, including First Year Writing. Consider a program option, including materials science, chemical physics, and astronomy.

Begin your math sequence.

Complete General Chemistry I or Chemical Principles for Engineers.

Complete Introduction to Scientific Programming/Python or Introduction to Engineering Computing.

Sharpen study habits for college classes.

Continue your program sequence with your 500 & 600 level PHYS courses.

Continue with your Discovery and program electives

Continue your math sequence.

Investigate research opportunities at UNH and internships off-campus.

Continue your program sequence with 600 & 700-level PHYS courses.

Continue your Discovery and program electives.

Continue your math sequence if needed.

Investigate research opportunities at UNH and internships off-campus.

Complete your program sequence 700 level PHYS courses including a Capstone or a Senior Project.

Complete Discovery and program electives.

Begin to apply for jobs or graduate school.

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 PERSONAL BRAND

- 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:

- BAE Systems
- NASA
- The Johns Hopkins Applied Physics Lab
- Microsoft
- Raytheon
- University of New Hampshire

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 Physics

Overall employment of physicists and astronomers is projected to grow 14 percent from 2016 to 2026, faster than the average for all occupations. Physicists are projected to have employment growth in scientific research and development services, educational services, and healthcare and social assistance. The fast growth will result in only about 2,600 new jobs over the 10-year period.

Astronomers is a small occupation, and the fast growth will result in only about 200 new jobs over the 10-year period.

Federal spending is the primary source of physics- and astronomy-related research funds, especially for basic research. Growth in the federal government's spending for research in physics and astronomy is expected to be more or less flat, and this will dampen the need for physicists and astronomers at institutions heavily dependent on such funding. Potential careers include, but are not limited to:

- Accelerator Operator
- Applications Engineer
- Data Analyst
- Design Engineer
- High School Physics Teacher
- IT Consultant
- Lab Technician
- Laser Engineer
- Optical Engineer
- Research Associate
- Software Developer
- Systems Analyst
- Technical Specialist
- Web Developer