**FIRST YEAR**
- Begin your program sequence with your Freshman Seminar and other 400-level PHYS courses.
- Begin Discovery and program electives, including Print Year Writing. Consider a program option, including materials science, chemical physics, and astronomy.
- Complete General Chemistry 1 or Chemical Principles for Engineers.
- Complete Introduction to Scientific Programming/Python or Introduction to Engineering Computing.
- Sharpen study habits for college classes.

**SECOND YEAR**
- Continue your program sequence with your 500 & 600 level PHYS courses.
- Continue your Discovery and program electives.
- Continue your math sequence.
- Investigate research opportunities at UNH and internships off campus.

**THIRD YEAR**
- Continue your program sequence with 600 & 700-level PHYS courses.
- Continue your Discovery and program electives.
- Continue your math sequence.
- Investigate research opportunities at UNH and internships off campus.

**FOURTH YEAR**
- Complete your program sequence of 700 level PHYS courses including a Capstone or a Senior Project.
- Complete Discovery and program electives.
- Investigate research opportunities at UNH and internships off campus.

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**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

**BUILD PERSONAL BRAND**
- 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

**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
- Study away to build your national and global citizenship
- Consider submitting your research to appropriate engineering and science journals

**CO-CURRICULAR**
- 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
- Search for a part-time job to build other transferable skills
- 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:

- 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

unh.edu/career