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 and papers
- Present at professional conferences and competitions
- Secure a Teaching Assistant, Lab Assistant, or tutoring position
- Consider submitting your research to appropriate engineering and science journals

BUILD EXPERIENCE
- 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
- Shadow professionals and companies of interest
- Secure at least one internship
- Get a part-time job to build other transferable skills
- Build professional and personal networks
- Attend employer events on campus and in the community
- Conduct informational interviews
- Secure 3-5 professional references

ACADEMIC
- Participate in MATH 400 First-Year Math Seminar and get to know the major options and your peers.
- Complete Mathematics and Applications with MATH 112.
- Continue your program sequence by completing your 100, 200, and 300-level MATH courses related to your chosen option.
- Continue exploring and completing your Discovery program courses.

CO-CURRICULAR
- Join the College of Engineering and Physical Sciences' Office of Engagement.
- Join the College of Engineering and Physical Sciences' Office of Student Life.
- Join a student organization.
- Pursue student leadership positions.
- Attend Wildcat Career Workshops and seminars.
- Attend Wildcat Career Workshops and seminars.

PROFESSIONAL
- Apply to be a Resident Assistant, take a leadership position in an organization, run for student government.
- Connect with alumni, faculty, staff, employers, supervisors, parents, friends, and family.
- Connect with fellow students and alumni.
- Connect with professionals in your industry.
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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:

- Cigna
- Liberty Mutual Insurance
- Elementary & Secondary Schools
- Mathworks
- Novo Nordisk
- Technology Business Research, Inc.

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

Applied Math

Overall employment of mathematicians and statisticians is projected to grow 33 percent from 2016 to 2026, much faster than the average for all occupations. Employment growth will vary by occupation.

Employment of statisticians is projected to grow 33 percent from 2016 to 2026, much faster than the average for all occupations. Growth is expected to result from more widespread use of statistical analysis to make informed business, healthcare, and policy decisions. In addition, the large increase in available data from the Internet will open up new areas for analysis.

Employment of mathematicians is projected to grow 29 percent from 2016 to 2026, much faster than the average for all occupations. However, because it is a small occupation, the fast growth will result in only about 900 new jobs over the 10-year period. The amount of digitally stored data will increase over the next decade as more people and companies conduct business online and use social media, smartphones, and other mobile devices. As a result, businesses will increasingly need mathematicians to analyze the large amount of information and data collected. Analyses will help companies improve their business processes, design and develop new products, and even advertise products to potential customers.

In addition, mathematicians and statisticians will be needed in the scientific research and development services and pharmaceutical and medicine manufacturing industries. The aging of the U.S. population is expected to prompt pharmaceutical companies to develop new treatments and medical technologies. Biostatisticians will be needed to conduct the research and clinical trials necessary for companies to obtain approval for their products from the Food and Drug Administration. Potential careers include, but are not limited to:

- Actuary
- Mathematical Scientist and Research Analyst
- Mathematical Consultant
- Cryptographer
- Operations Research Analyst
- Numerical Analyst
- IT Analyst (Liberty)
- Software Developer
- Systems Engineer
- Content Developer
- Teacher

unh.edu/career