

# Alfred University

*McComsey Career Development Center*

## CAREERS IN... PHYSICS

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### **The Industry**

A degree in Physics prepares students for a wide range of careers. According to the Institute of Physics, about one third of all physicists work in public service industries; one third in private industry and one third in secondary and higher education. Physics graduates are qualified to work in career fields such as astronomy, medicine, engineering, research, computing and even finance.

### **Sample Job Titles**

- Research associate
- Scientific sales representative
- Lecturer/Faculty member
- Industrial physicist
- Process/Application engineer
- Device design engineer
- Mathematician
- Nuclear medical technologist
- Research scientist
- Lawyer
- Accelerator operator
- Manufacturing manager
- Software engineer
- Mechanical engineer
- Nuclear theorist
- Radiographer
- Seismologist
- Laboratory technician
- Experimental biophysicist
- Computational physicist
- Astronomer
- Scientific writer/editor
- Patent attorney

### **Our Graduates...Where Are They Now?**

***Within the past few years, graduates have obtained employment as:***

Teaching Assistant – University of Toledo  
Measurements Engineer – Corning Incorporated  
Toxicologist – New York Hospital  
Engineer – EMS Technologies

***and have attended graduate school at:***

University of Connecticut (Chemistry)  
University of Rochester (Astrophysics)  
Vanderbilt University (Physics/Astronomy)  
University of Massachusetts at Amherst (Astronomy)  
University of Rochester (Physics)  
Pennsylvania State University (Ceramic Science)

***Alumni who graduated several years ago are currently employed as:***

Commander – United States Naval War College  
Senior Member of Technical Staff – Nikon Precision Incorporated  
Manager of Nuclear License/Environmental Protection – Niagara Mohawk Power Corporation

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### **Get Experience on Campus**

Build your resume on campus in activities or organizations related to your area of interest. Some campus organizations, clubs, or offices through which you can gain relevant experience include:

- Astronomy Club
- Mechanical Warriors
- AU Math Club

### **Where to go from here?**

- Individual career counseling for anything from choosing a major to getting a job
- Saxon JobLink web services ([www.alfred.edu/cdc/](http://www.alfred.edu/cdc/)) to post a resume and more
- Saxon Career Volunteer network – speak to alumni in your field
- Choices CT computerized program for searching graduate schools
- Web resources: we recommend [www.aip.org](http://www.aip.org), [www.nsf.gov](http://www.nsf.gov), or [www.sciencejobs.com](http://www.sciencejobs.com)