



## OVERVIEW

Physics examines the fundamental principles that govern natural phenomena, ranging in scale from collisions of subatomic particles, through the behavior of solids, liquids and biomolecules, to exploding stars and colliding galaxies. In addition to work in industrial, government, or high-technology laboratories, students may find opportunities in such fields as biological physics, computer science, geophysics, medical and radiation physics, and engineering. Many physics majors pursue advanced degrees in physics and related fields.

**Concentrations:** Physics, Biomedical Physics, Pre-Med-Health, Applied Physics

**Department website:** <http://www.physics.neu.edu>

## SAMPLE JOB TITLES

Acoustics specialist	Meteorologist*
Astrophysicist*	Nuclear physicist*
Biophysics technician	Optical engineer
Geophysicist*	Physics professor (college)*
Intellectual property/patent attorney*	Physics teacher
Inventor*	Product development specialist
Laboratory technician	Research physicist
Medical physicist*	Science writer

*Positions that require additional education or training are indicated by a (\*).*

*Job qualifications are based not only on degree program, but on skills and experience. Students should seek out as many experiential opportunities in their fields of interest as possible, including Co-op and internships.*

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## TYPES OF EMPLOYERS

Armed Services

Colleges and Universities

Energy Companies

Engineering Firms

Hospitals

Instrumentatio and Optics Firms

Public and Private Schools

Research Institutes and Laboratories

State/Federal Government

Technical Journals

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## INTERNSHIPS

These sample titles can be used to research internship opportunities in the field.

Research assistant: university, institute or industry

Optics technician

Imaging R&D intern

Teaching assistant

Electrochemistry analytics intern

To search for internship opportunities, login to [Husky Career Link](#), Career Services' online job and internship bank for opportunities with employers seeking to hire NU students.

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## CO-OPS

For more information, please visit the department's website.

Students enrolled in the *College of Professional Studies* may click [here](#) for co-op and internship information.

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## CAREER EXPLORATION & JOB POSTINGS

The following resources include various websites and campus resources that will aid you in exploring this career field and industry.

### CAREER & JOB WEBSITES

[MassCIS – Massachusetts Information System](#)

[Bureau of Labor Statistics – Occupational Outlook Handbook](#)

[Vocational Biographies](#) (username: NE Univ; password: RAZDE)

[O\\*NET OnLine](#)

### CAMPUS ORGANIZATIONS & ACTIVITIES

\*FOR ADDITIONAL STUDENT ORGANIZATIONS CLICK [HERE](#).

\*FOR ADDITIONAL STUDENT ACTIVITIES CLICK [HERE](#).

#### PROFESSIONAL ASSOCIATIONS

Find valuable industry information, job sites, and professionals in the field you may contact for informational interview requests and networking opportunities.

[American Institute of Physics](#)

[Health Physics Society](#)

[American Physical Society](#)

#### SOCIAL MEDIA

Sample LinkedIn.com Groups providing resources such as industry trends, company information, job listings, and networking opportunities within the field:

[INSTITUTE OF PHYSICS](#)

[WOMEN IN PHYSICS](#)

[PhD Physicists](#)

[APS Physics](#)