



# CAREER PATHFINDERS

## PHYSICS DEGREE

The study of Physics can lead to a variety of career options, including but not limited to teaching (at the high school or university level) and research (academic or corporate). Graduates with physics degrees acquire skills that are in demand in several fields such as engineering, computer science, health sciences and finance.

### Career Options / Job Titles

(SOME MAY REQUIRE ADDITIONAL EDUCATION AND/OR TRAINING)

- Aerodynamist (NOC 2111)
- Air Traffic Controller (NOC 2272)
- Astronomer (NOC 2111)
- Automotive Engineer (NOC 2132)
- Biophysicist (NOC 2111, 2121)
- Engineer (NOC 2131, 2132, 2133, 2141, 2142, 2146)
- Environmental Analyst (NOC 4161)
- Forensic Technician Hydrologist (NOC 2113)
- Laboratory Technician (NOC 2241)
- Lawyer, Technology Specialty (NOC 4112)
- Medical Physicist (NOC 2111)
- Meteorologist (NOC 2114)
- Occupational Safety Specialist (NOC 2263)
- Oceanographer (NOC 2113)
- Scientific Consultant (NOC 4161)

### Skills Developed by Physics Majors

- Problem-solving skills
- Reasoning abilities
- Mathematical reasoning
- Practical skills
- Communication skills

## Employers / Areas of Employment

- Aerospace Industry
- Consulting Firms
- Educational Institutions
- Engineering Firms
- Government Agencies/Departments
- Health Care Centres
- Legal Profession
- Manufacturing/Processing Companies
- Media/Publishing/Telecommunications Industries
- Military
- Natural Resources Industry
- Private Practice
- Public Utilities
- Transportation Industry

## Professional Associations and Websites

- Physics Fact Sheet <http://uwinnipeg.ca/factsheets/docs/factsheet-physics.pdf>
- NOC Codes <http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/Welcome.aspx>
- American Physics Society <https://www.aps.org/>
- Bright Recruits.com <http://brightrecruits.com/>
- Canadian Association of Physicists <http://www.cap.ca/>
- Canadian Organization of Medical Physicists <https://www.comp-ocpm.ca/>
- Ontario Organization of Physics Teachers <http://www.oapt.ca/>
- Canadian Consortium for Research <http://ccr-ccr.ca/>
- Physics Today Jobs <http://jobs.physicstoday.org/jobs/>
- Society for Physics Students <https://www.spsnational.org/cup>
- Bellevue College <http://www.bellevuecollege.edu/physics/>