

Engineering Physics Employment Report 2014

This report describes employment data, 12 months after graduation, for students who completed a Bachelor's degree in Engineering Physics in 2014. Data from the graduates in 2015 will be released in Aug, 2016. The data is collected from various sources including social media such as LinkedIn, student surveys, private communications, and requests for information via e-mail. 18 students responded to our request for information. The following is a summary of the employment of these respondents. Names are not provided for privacy.

- Respondent 1: Multidisciplinary Design Engineer at Tetra Tech; provides mechanical, electrical and instrumentation & control design, primarily working on nuclear projects for Ontario Power Generation; Tetra Tech is a leading provider of consulting, engineering, program management, construction management and technical services worldwide, <http://www.tetratech.com/>
- Respondent 2: Applied Science/Engineering Trainee at Ontario Power Generation
- Respondent 3: System Engineer at Bruce Power; providing technical evaluations, advice, and solutions in a number of major work areas at Bruce A Nuclear Generating Station
- Respondent 4: Business Analyst at ABC Group; ABC Group is a world leader in plastic processing such as plastic automotive systems and components, <http://www.abcgroupinc.com/>
- Respondent 5: Director of Business Development at Nix Sensor Ltd.; Nix Sensor is a color sensor for the smartphone, <https://nixsensor.com/>
- Respondent 6: Manufacturing Engineer (Electro-optical Specialist) at L-3 Wescam; performing manufacturing root cause analysis, automation development, assembly and test documentation, job costing, new product integration, lean factory implementation, and business process improvement; L-3 Wescam designs and manufactures infrared imaging and targeting sensor systems, <http://www.wescam.com/>
- Respondent 7: Ph.D. student at McMaster; developing photonic devices
- Respondent 8: Engineering Trainee at Ontario Power Generation in the Nuclear Waste Safety Assessment section
- Respondent 9: Entrepreneur, starting a company to develop high-altitude communication platforms
- Respondent 10: Systems Specialist at Corrosion Service Company Ltd; specializes in cathodic protection, <http://www.corrosionservice.com/>
- Respondent 11: Coordinator at Ice River Springs Water Co. Inc; <http://iceriversprings.com/>
- Respondent 12: Assistant Solar Technician at NorthGrid Solar Inc.; NorthGrid Solar is a leader in solar photovoltaic installations in Ontario, Canada, <http://northgrid.ca/>
- Respondent 13: Controls Engineer at AMP Systems Inc; electrical design of automated manufacturing equipment, programming and commissioning, parts procurement, troubleshooting, servicing and working with mechanical engineering division on machine design, costing and quoting
- Respondent 14: System Engineer Trainee at Bruce Power
- Respondent 15: Project Engineer at Ontario Power Generation in the Nuclear Refurbishment division.

- Respondent 16: Accelerator Technician at Texas A&M University Cyclotron Institute, <http://cyclotron.tamu.edu/>
- Respondent 17: Ph.D. student at The University of Queensland
- Respondent 18: Ph.D. student at MIT

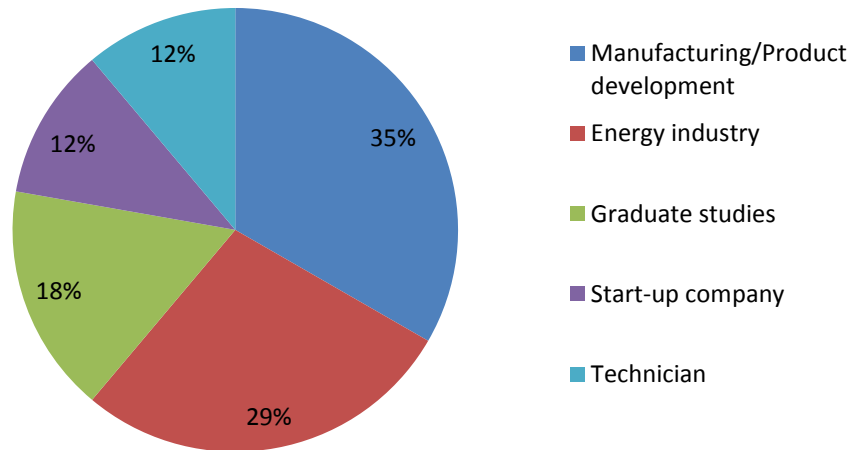


Figure 1. Employment of Engineering Physics undergraduates who graduated in 2014.

General Information

Engineering Physics graduates have many career options due to the flexibility developed through a broad background in mathematics, physics, materials science, electronics, computer systems and optics. There are many different job titles that describe what graduates of the Engineering Physics program are now doing. Telecommunications, laser applications and nuclear engineering are just a few of the career paths our graduates have focussed their attention on. Many graduates choose to continue their studies earning Masters or PhD degrees. Some of the companies that have hired Engineering Physics graduates from McMaster in recent years are:

AMEC-NSS
 Andor
 Atomic Energy of Canada Ltd.
 ATS Automated Tooling Systems
 Babcock and Wilcox Canada
 Bell Canada
 Blackberry
 Bombardier Aerospace
 Bot Engineering
 Bruce Power Inc.
 Canadian Nuclear Safety Commission
 CANDU Energy Inc.
 Celestica

Christie Digital
Chrysler Canada
Colt Engineering
COM DEV
CompuCARE Systems
CP Rail
Cutler-Hammer
De Havilland Inc.
DOFASCO
EDS
ELCAN Optical Technologies
Elsag Bailey (Canada) Inc.
Falter Engineering
Gamma Foundries Ltd.
GE Medical Systems
Genesis Microchip Inc.
Gennum Corp.
GSI Lumonics
Hamilton Health Sciences
Hatch Associates
Honeywell Ltd.
Huron Technologies
Hydro One
Hydro Quebec
IBM
Imaging Research Inc.
Intel
Lightwaves 2020
Lumen Dynamics
Luxell Corp
MDS Nordion
MD Robotics
MDS Sciex
Metrophotonics Inc.
Mytec Technologies
National Research Council of Canada
NB Power
North American Detectors
Ontario Power Generation
Optikon Corp.
Oracle
Pembina Exploration Ltd.
Perkin Elmer
Picarro
Procter & Gamble
Sabeus Photonics

Semiconductor Insights
Siemens
SiGe Microsystems
Spar Aerospace
Spectral Applied Research
Starwave Corp.
Texas Instruments
Thomson Engineering
Trojan Technologies
Tyne Engineering
Visteon
Wardrop
Wescam Inc.
Westaim Corp.
Xerox Corp.