

Welcome to Physics, Astronomy, and Biophysics at York.

As a Physics major you can do X , where X is what you want to do.
You can do Physics. You can do Astronomy. You can do Biophysics.
You can Educate. You can Innovate.
And you can start it all at York.

York offers three-year Bachelor of Science (BSc) degrees in Physics and in Astronomy and four-year Honours and Specialized Honours BSc degrees in Physics, Applied Physics, Astronomy, Space Science, and Biophysics.

Our students go on to graduate school and employment across North America and beyond.

Current Positions of Some Former York Physics Undergraduate Students

[Matthew Lightman](#), Machine Learning Engineer at Deepgram

[Lianne Manzer](#), Director, Data Science at RBC Wealth Management

[Fadi Yachoua](#), Canadian Immigration Lawyer and Founder, Yachoua Law

[Tricia Royle](#), Senior Program Coordinator, Space Telescope Science Institute

[Anand Menon](#), Service Delivery Lead, Integration Operations, Loblaw Companies Ltd.

[Sarah Sadavoy](#), Assistant Prof., Queen's University Dept. of Physics, Engineering Physics, and Astronomy

[Cody Storry](#), Associate Professor, York University Department of Physics and Astronomy

[Brigette Hesman](#), Science Operations Staff Scientist, Space Telescope Science Institute

[Brian Pogue](#), Chair, Department of Medical Physics, University of Wisconsin-Madison

[Julie Tomé](#), Museum Educator and Science Communicator, Royal Ontario Museum

[Kevin Shortt](#), Research Project Leader, Optical Communications at Airbus CTO

[William Dykshoorn](#), Physics Teacher, York Region District School Board

Other York Physics Alumni of Note

Steve McLean



Alumni:
[Steve McLean](#)
Astronaut, Executive, Professor

Degree/s:
BSc '77 (Physics), PhD '83 (Physics), DSc '93

Steve MacLean (BSc '77, PhD '83, D.Sc '93) has gone to greater heights than any other alumnus to date—literally! An astronaut and influential member of the Canadian space community, Dr. MacLean began his incredible journey right here at York.

Ilana Dashevsky



Alumni:
[Ilana Dashevsky](#)
Hubble Space Telescope Software Systems Engineer

Degree/s:
BSc '97 (Physics & Astronomy)

Ilana Dashevsky (BSc '97) never imagined that her love of astronomy would lead her to a career that included writing software commands for the iconic Hubble Space Telescope, but a York University degree helped get her there.

Nigel Lockyer



Alumni:
[Nigel Lockyer](#)
Director, Fermi National Accelerator Laboratory

Degree/s:
BSc Spec. Hons. '75 (Physics)

Dr. Nigel Lockyer (BSc Spec Hons '75) is a leading voice in the field of high-energy particle physics. He's been named director of two of the most prestigious scientific research facilities in North America—and this successful scientific career was launched right here, in York's Department of Physics & Astronomy. After graduating from York in 1975 with his Bachelor of Science degree in physics, Nigel completed his PhD in physics from Ohio State University. He then took up a prestigious postdoctoral fellowship at the SLAC National Accelerator Laboratory, which is operated by California's Stanford University and engages in experimental and theoretical research in elementary particle physics. He returned to the classroom in 1984

Questions? Contact Prof. Patrick Hall, chphas@yorku.ca

Skills You Will Build As A Physics Undergraduate at York

Analysis and quantitative thinking * Communicating complex ideas *
Problem solving * Working with laboratory instruments *
Conducting research * Working in teams * Technical writing *
Critical thinking * Proficiency with computer hardware & software

Did You Know?

Physics majors achieve some of the highest average scores on the MCAT exam (for medical school) and the LSAT exam (for law school). Source: www.aip.org

Other Degrees of Some Former York Physics Undergraduates

[Sofia Gad-Nasr](#), M.Sc.

(Physics), Ph.D. (Cosmology)

[Mazi Raz](#), M.B.A. and Ph.D.

[Alexandre Fong](#), M.B.A.

[Stephan Roess](#), Chartered Insurance Professional

[Jason Marshall](#), B.Ed.

[Lianne Manzer](#), M.Sc.
(Astronomy)

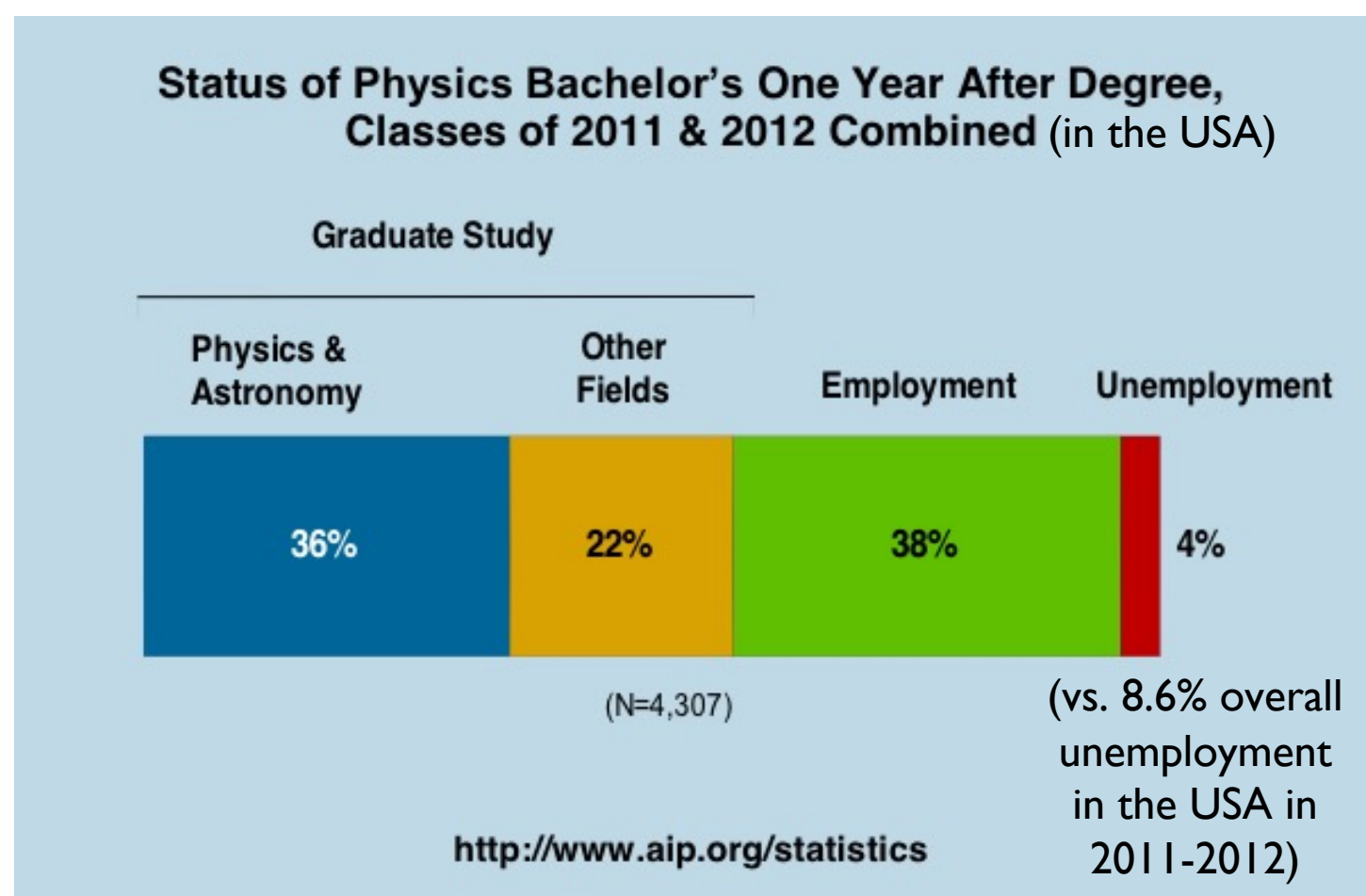
[Ian Harnarine](#), M.F.A.

[Sarah Sadavoy](#), M.Sc. and Ph.D. (Astronomy)

[Fadi Yachoua](#), LL.B., LL.L.
(Common & Civil Law)

[Cody Storry](#), Ph.D. (Physics)

Employment of Physics Majors



Some Jobs Held By Former York Physics Undergraduates

Engineering Manager, Professor, High School Teacher, Senior Application Architect, Dean of Graduate Studies, Senior Vice President, Geophysicist, Research Scholar, Enterprise Architect, Insurance Broker, CEO, Astronaut, Technical Support Specialist, Marketing Manager, Medical Physicist, Teacher, Business Systems Analyst, Immigration Lawyer, Director of Global Marketing, Science Educator, Optical Communications Scientist, Filmmaker, Data Scientist, Senior Program Coordinator or Software Systems Engineer (for the Hubble Space Telescope), Director of the Fermi National Accelerator Laboratory, President of the Canadian Space Agency...