Career Resources – Astronomy/Astrophysics/Physics

Career Exploration

Graduates work in many sectors (not exhaustive):
- Physics – Research Physicist/Astrophysicist, Applied Physicist, Advisory Scientist, Experimental Physicist
- Medicine – Medical Physicist, Research Associate, Data Analyst, Statistician, Health Physicist
- Education – Assistant Professor, Physics Teacher, Lecturer, Instructor and Lab Manager
- Business – Data Scientist, Associate Consultant, Business Analyst, Assistant Manager, Investment Analyst
- Computer Science – Scientific Programmer, Application Developer, Solutions Architect, Systems Admin
- Engineering – R&D Test Engineer, Seismic Imager, Quality Engineer, Field Application Engineer

Career Profiles:
  Short description about each industry field. Each field has 2 to 3 short profiles.
- Career Profiles (AAS) [https://aas.org/careers/career-profiles](https://aas.org/careers/career-profiles)
  A list of professionals showcase their careers in different industries – from administration to software.
- People in Physics (APS) [http://www.physicscentral.org/explore/people/](http://www.physicscentral.org/explore/people/)
  Interviews with professionals in physics.
- Physicists at Work (CAP) [https://careers.cap.ca/physicistsatwork.html](https://careers.cap.ca/physicistsatwork.html)
  A list of physicists’ profiles: science writer, physics teacher, group leader and more.
- Physicist Profiles (SPS) [https://www.spsnational.org/career-resources/physicist-profiles](https://www.spsnational.org/career-resources/physicist-profiles)
  A list of physicist profiles, organized by job sector: Education, non-profit, industry, etc.

Employment trends:
  A graph illustrating different types of employment in a variety of fields – from Physics to Medicine. Click each industry’s link to see a list of employers and job titles.
  Employment data by topic such as employment and careers, women, astronomy, PhD plus 10, women, etc.

Non-Academic information and career guides:
- Non-academic Career Advice (AAS) [https://aas.org/careers/nonacademic-career-advice](https://aas.org/careers/nonacademic-career-advice)
  A list of recommended articles for students pursuing careers outside academia.
- Physics World Careers (IOP/brightrecuits) [https://physicsworld.com/l/careers/](https://physicsworld.com/l/careers/)
  An annual guide offers valuable career advice, case studies showcasing possible career options.
  Discussions on topics include job descriptions, salary, requirements and responsibilities.
- Careers Toolbox for Undergraduate Physics Students & Their Mentors [https://www.spsnational.org/sites/all/careerstoolbox/](https://www.spsnational.org/sites/all/careerstoolbox/)
  Information on exploring career options, finding opportunities and job search tools.
Articles & blogs:

- **How to succeed outside physics** (Physics Today)
- **Leaving Physics: What’s Out There to Do** (Jennifer Hodgdon’s Site)
  https://jhodgdon.com/leave-physics-alternatives

**Job Search Websites**

**Astronomy and Physics Job Boards**

- Canadian Association of Physicists – Jobs
  https://www.cap.ca/programs/resources-university-student-parent/employment-opportunities/
- Canadian Astronomical Society – Jobs https://casca.ca/?page_id=91
- Physics Today – Jobs https://jobs.physicstoday.org/jobs/
- Society of Physics Students – Jobs https://jobs.spsnational.org/jobs/

**Science-Related Job Boards**

- New Scientist Jobs https://jobs.newscientist.com/
- Nature Careers https://www.nature.com/naturecareers
- Science Careers https://www.aaas.org/careers
- Euro Science Jobs https://www.eurosiencejobs.com/
- Academic Positions https://academicpositions.com/
- BioSpace https://www.biospace.com/jobs/

**Industry / General Job Boards**

- Earthworks-Jobs.com https://www.earthworks-jobs.com/
- Canada Job Bank https://www.jobbank.gc.ca/home
- Indeed.ca https://ca.indeed.com/
- Eluta.ca https://www.eluta.ca/
- Glassdoor https://www.glassdoor.ca/
- LinkedIn https://ca.linkedin.com/jobs

**Employer Directories**

The following websites provide a list of organizations. Contact each organization for job leads.

- **AIP - Employers who recently hired 3 or more physics bachelors**
  https://www.aip.org/statistics/multiple
  A list of companies hired Physics graduates in the past.
- **Space Industry Directory**
  https://www.space-careers.com/directory.html
  A comprehensive collection of links to space related companies.

This handout is available at:

What can I do with my studies? (http://www.mcgill.ca/caps/discipline) -> Physics