

What Can I Do With My Major?

Physics



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Why Study Physics at UPEI?

Physics encompasses the entire physical universe and everything in it. It provides a route to studying many deeper mysteries of the universe that can lead to a wide variety of career possibilities. A student majoring in physics can build strong analytical and experimental skills, as well as mathematical abilities. Learning how to synthesize and summarize data complements theoretical and experimental skills to enhance career opportunities.



Career Possibilities

Some careers may require further education

- Aerospace Engineer
- Astronomer
- Data Scientist
- Geophysicist
- Lab Manager
- Medical Physicist
- Physicist
- Programmer
- Research Analyst
- Software Engineer



Top Transferable Skills

Problem-solving skills require the ability to define, clarify and recognize problems. Effective problem-solving is integral to processes such as applying theory to test hypotheses and find solutions.

Communication skills require the ability to communicate abstract concepts, translate information, explain complex issues, report findings/results, processes and data interpretation.



Top Transferable Skills

Research skills are project-dependent and entail a broad array of sub-components such as preparing reports, presenting alternative information, utilizing instruments and equipment, and complying with specific rules and regulations.

Scientific/Technical writing is a specific writing style used to communicate information or solutions to other scientists in a clear, concise and precise manner. Examples include journal articles, research proposals, and scientific reports.



Physics Related Resources

[Canadian Association of Physicists](#)

[Canadian Institute of Nuclear Physics](#)

[Institute of Physics](#)

[International Centre for Theoretical Physics](#)

[International Organization for Medical Physics](#)

[Perimeter Institute](#)

[Society for Canadian Women in Science and Technology](#)

[Society of Physics Students](#)

Thanks For Reading!

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