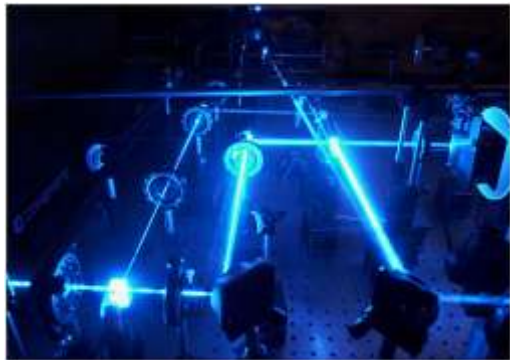


ASTRONOMY AND PHYSICS



What is Astronomy and Physics?

Astronomy and Astrophysics is the scientific study of celestial objects (such as stars, planets, and galaxies) and phenomena that originate outside the Earth's atmosphere. It is concerned with the evolution, physics, and chemistry of celestial objects, as well as the formation and development of the universe.

Physics is the study of matter and its motion through space-time and all that derives from these, such as energy and force. More broadly, it is the general analysis of nature, conducted in order to understand how the world and universe behave.

Average Class Size: 10-15 (upper level courses)

Length of Program: 4 years

Example Careers: Astrophysicist, Aerospace Engineer, Computer Programmer, Professor, Meteorologist.

For additional examples of which careers students have followed, visit <http://www.smu.ca/administration/career/science.html>

Program Requirements

Grade 12 Students must have:

- Grade 12 English Academic
- Pre Calculus 12 or Calculus 12
- 2 Academic 12 Science courses
- 1 additional Academic 12 course
- A minimum average of 65% with no mark below a 60%

Your First Year

First year students must follow the [Basic Science Requirements](#) which allow you to explore subjects from Arts, Science and Commerce. These requirements help you develop important intellectual and academic skills. This will provide you with the solid foundation needed to begin your Science degree. Some courses you should take in your first year to help you prepare for Astronomy and Physics are listed below. The ASTR courses involve making use of the **Burke-Gaffney Observatory**, located on top of the Loyola Residence building.

The Sky and Planets ASTR 1000
General Astronomy ASTR 1101
University Physics I & II PHYS 1100 and 1101



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Life as an Astronomy and Physics Student at Saint Mary's University

At Saint Mary's there are many options for students to get involved on campus. The **Astronomy and Physics Society (SMUAPS)** provides the perfect opportunity for Astronomy and Physics students. The society acts as a resource and social centre for students who are majoring in Astronomy and Physics.



Contact Information

Department of Astronomy and Physics

<http://www.smu.ca/academic/science/ap/welcome.html>

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