

CHEMISTRY



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What is **Chemistry**?

Chemistry is the study of properties, composition, changes, and use of matter. Chemistry is divided into five main areas: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry.

Average Class Size: 10-50 (for upper level courses)

Length of Program: 3-4 years

Example Careers: Laboratory Analyst, Clinical Chemist, Pharmacist, Organic Chemist, Assayer, Electron Microscopist, Wastewater Treatment Chemist, Radiation Health Specialist, etc.

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 may take in your first year to help you prepare for Chemistry include:

General Chemistry I & II
CHEM 1210/1211

Intro to Calculus I & II
MATH 1210/1211

University Physics I & II
PHYS 1000/1001



Being in an interdisciplinary degree allows students to choose their area of interest. Some areas of focus include:

- Research & Development
- Education
- Food & Drug Testing
- Forensics
- Government
- Data Analyst
- Science Publication

Please refer to our [Academic Calendar](#) for an inclusive list of courses, complete with course descriptions and detailed information about the program.

Life as a Chemistry Student at Saint Mary's University

At Saint Mary's there are many options for students to get involved on campus. The **Chemistry Society** is the perfect opportunity for Chemistry students. The society acts as a resource and social centre for students who are interested in Chemistry. There are numerous research opportunities within the Chemistry department. This allows students to get experience in the lab and specialize in an area of interest while making some extra money.



Contact Information

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