

CHEMISTRY

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Chemistry

Chemistry is the science concerned with the properties of atoms and molecules, of which all matter is composed. Chemistry is important for all aspects of the material world - food production; the manufacture of

medicines, textiles, and plastics; energy production; identifying environmental problems and remedies; and understanding the workings of living organisms. The department offers study in analytical, inorganic, organic and physical chemistry, and in biochemistry.

Biochemistry

The Department of Chemistry, in conjunction with the Department of Microbiology, offers a Joint Honours program, Joint Honours Co-operative Option, Joint four year Major program and a Joint four year Major Co-operative Option in Biochemistry. See Biochemistry Program (<https://catalog.umanitoba.ca/undergraduate-studies/science/biochemistry/>) for full details.

Programs

Degree/Diploma	Years to Completion	Total Credit Hours	Has Co-op Option
Chemistry, B.Sc. Honours (https://catalog.umanitoba.ca/undergraduate-studies/science/chemistry/chemistry-bsc-honours/)	4	120	Yes
Chemistry, B.Sc. Major (https://catalog.umanitoba.ca/undergraduate-studies/science/chemistry/chemistry-bsc-major/)	4	120	Yes
Chemistry - Physics Joint, B.Sc. Honours (https://catalog.umanitoba.ca/undergraduate-studies/science/chemistry/chemistry-physics-bsc-honours/)	4	120	
Chemistry Minor (https://catalog.umanitoba.ca/undergraduate-studies/science/chemistry/chemistry-minor/)		18	

Biochemistry (<https://catalog.umanitoba.ca/undergraduate-studies/science/biochemistry/#programlisttext>)