MATHEMATICS

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Mathematics

Mathematics provides the language, reasoning and analytic tools that many other disciplines use to investigate their areas. These include all the physical sciences, computer and engineering sciences, social sciences, and the biological and health sciences. A wide range of business, industrial, and government programs rely on mathematics to provide insight and analysis. Students may specialize in mathematics alone or in combinations with physics, computer science, economics, or statistics.

Note: Students entering either the Faculty of Arts or Science, and intending to take courses from the department, are strongly advised to speak to a Science Academic Advisor or a faculty advisor in the department concerning an appropriate choice of mathematics courses. They may also consult the Department of Mathematics website (https://umanitoba.ca/science/mathematics/).

Programs

Degree/Diploma	Years to Completion	Total Credit Hours	Has Co-op Option
Applied Mathematics with Computer Science Option, B.Sc. Major (https://catalog.umanitoba.ca/undergraduate-studies/science/mathematics/applied-mathematics-bsc-major-computer-science-option/)	4	120	Yes
Applied Mathematics with Economics Option, B.Sc. Major (https://catalog.umanitoba.ca/undergraduate-studies/science/mathematics/applied-mathematics-bsc-major-economics-option/)	4	120	Yes
Applied Mathematics with Statistics Option, B.Sc. Major (https://catalog.umanitoba.ca/undergraduate-studies/science/mathematics/applied-mathematics-bsc-major-statistics-option/)	4	120	Yes
Mathematics, B.Sc. Double Honours (https://catalog.umanitoba.ca/undergraduate-studies/science/mathematics/mathematics-bsc-double-honours/)	4	120	Yes
Mathematics, B.Sc. Honours (https://catalog.umanitoba.ca/undergraduate-studies/science/mathematics/mathematics-bsc-honours/)	4	120	Yes
Mathematics, B.Sc. Major (https://catalog.umanitoba.ca/undergraduate-studies/science/mathematics/mathematics-bsc-major/)	4	120	Yes
Mathematics - Economics Joint, B.Sc. Honours (https://catalog.umanitoba.ca/undergraduate-studies/science/mathematics/mathematics-economics-bsc-honours/)	4	120	

Mathematics - Physics and Astronomy Joint, B.Sc. Honours (https://catalog.umanitoba.ca/undergraduate-studies/science/mathematics/mathematics-physics-astronomy-bsc-honours/)	4	120	Yes
Mathematics Minor (https://catalog.umanitoba.ca/undergraduate-studies/science/mathematics/mathematics-minor/)		18	

Computer Science - Mathematics Joint, B.Sc. Honours (https://catalog.umanitoba.ca/undergraduate-studies/science/computer-science/computer-science-mathematics-bsc-honours/)

Statistics - Mathematics Joint, B.Sc. Honours (https://catalog.umanitoba.ca/undergraduate-studies/science/statistics/statistics-mathematics-bsc-honours/)