



Projected requirements for students entering the U of M in September 2010

The following high school math and science prerequisites are required to register for first year university courses in the listed faculties and schools. Please note that these prerequisites may only be required for specific programs as indicated beside each faculty and school and that these prerequisites are based on current admission requirements.

If an individual does not have the required prerequisite courses, the following non-credit preparatory courses offered by the university will act as an acceptable substitute:

Physics: Preparing for University Physics (PHYS 0900) – Faculty of Science

Chemistry: Preparatory Chemistry (CHEM 0900) – Faculty of Science

Mathematics: Mathematical Skills – Extended Education

Biology: BIOL 1000 – a one-term Biology course without a lab which will be accepted as a prerequisite for entry to BIOL 1020

For more information on course prerequisites, please visit www.umanitoba.ca/u1/startbook or refer to the University of Manitoba Undergraduate calendar. Information can also be obtained by calling the Admissions Office at (204) 474-8808.

Chemistry 40S or Physics 40S *New*	50% minimum
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- Faculty of Agricultural and Food Science (*Agribusiness*)
- Faculty of Human Ecology (*Health Studies*)

Biology 40S	50% minimum
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The Biology 40S prerequisite being phased in at the University of Manitoba will only impact programs that require students to take the BIOL 1020 *Biology 1 Principles and Themes* course. The programs affected are listed below:

Note: These requirements are based on current program policies.

Biology 40S will be required for the following programs:

- Faculty of Agricultural and Food Sciences (*all degree programs*)
- Faculty of Dentistry
- Faculty of Education (*dependent on teachable subject area*)
- Clayton H. Riddell Faculty of Environment, Earth, and Resources (*Environmental Science*)
- Human Ecology (*Health Sciences, Health Studies, and Textile Sciences - Exercise & Sport Science or Microbiological Sciences Textile Development Streams*)
- Faculty of Medicine
- Faculty of Pharmacy
- Faculty of Science (*dependent on major*)

Recommended:

- School of Dental Hygiene
- Clayton H. Riddell Faculty of Environment, Earth, and Resources (*Environmental Studies*)
- Faculty of Kinesiology and Recreation Management (*Kinesiology, Athletic Therapy, Physical Education*)
- School of Medical Rehabilitation (*Physical Therapy, Respiratory Therapy*)

Chemistry 40S	60% minimum
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- Faculty of Engineering

Chemistry 40S	50% minimum
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- Faculty of Agricultural and Food Sciences (*Agriculture, Agroecology, Pre-Veterinary Medicine, Food Science*)
- School of Dental Hygiene
- Faculty of Dentistry
- Faculty of Education (*dependent on teachable subject area*)
- Clayton H. Riddell Faculty of Environment, Earth and Resources (*Environmental Science, Geology, Geological Sciences (General), Physical Geography*)
- Faculty of Human Ecology (*Health Sciences, Human Nutritional Sciences, Textile Sciences*)
- Faculty of Medicine



- Faculty of Pharmacy
- Faculty of Science (*dependent on major*)

Recommended:

- Faculty of Kinesiology and Recreation Management (*Kinesiology, Recreation Management & Community Development*)
- School of Medical Rehabilitation
- Faculty of Nursing

Physics 40S	60% minimum
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- Faculty of Engineering

Physics 40S	50% minimum
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- Faculty of Agricultural and Food Science (*Pre-Veterinary Medicine*)
- Faculty of Dentistry
- Faculty of Education (*dependent on teachable subject area*)
- Clayton H. Riddell Faculty of Environment, Earth and Resources (*Environmental Science, Geology, Geological Sciences (General), Physical Geography, Geophysics*)
- Faculty of Human Ecology (*required for Engineering Sciences in the Textile Products*)
- Faculty of Science (*dependent on major*)

Recommended:

- Faculty of Kinesiology and Recreation Management (*Kinesiology, Recreation Management & Community Development*)
- School of Medical Rehabilitation
- Faculty of Medicine (*strongly recommended for MCAT*)
- Faculty of Nursing

Pre-Calculus Math 40S	60% minimum
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- Faculty of Agricultural and Food Sciences (*degree programs only*)
- Asper School of Business
- Faculty of Education (*dependent on teachable subject area*)
- Faculty of Engineering
- Clayton H. Riddell Faculty of Environment, Earth, and Resources (*Environmental Science, Geology, Geological Sciences (General), Physical Geography, Geophysics*)
- Faculty of Pharmacy
- Faculty of Science (*dependent on major*)

Applied Math 40S OR	70% minimum
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Pre-Calculus Math 40S	50% minimum
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- Faculty of Dentistry
- Faculty of Education (*if physics is a teachable subject*)
- Faculty of Medicine
- Faculty of Science (*dependent on major*)

Applied Math 40S OR Pre-Calculus Math 40S	50% minimum
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- School of Dental Hygiene
- Faculty of Human Ecology (*Health Sciences, Human Nutritional Sciences, Textile Sciences*)
- School of Medical Rehabilitation

Math 40S (any level)	50% minimum
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- Faculty of Human Ecology (*Family Social Sciences, General Human Ecology, Health Studies*)
- Faculty of Kinesiology and Recreation Management (*Kinesiology, Recreation Management & Community Development*)
- Faculty of Nursing
- Faculty of Science (*dependent on major*)