

# 2012 - 2013 Program Requirements

These sheets will outline the Admission Requirements and High School Prerequisites for program options at the University of Manitoba.

**Direct Entry** - Students coming to the University of Manitoba directly from high school (or equivalent) or who have completed less than one year of university studies, will apply to a direct entry program option. For most students, this means entering into the University 1 program. Some direct entry program options are only open to students who have not completed **any** university or college study.

**Advanced Entry** – Students who wish to enter into an advanced entry program option must complete a designated set of required courses, normally beginning in University 1, prior to application. First year courses for advanced entry program options are made available to students within University 1. Specific admission requirements and deadlines for each program are available at the University of Manitoba admission website, [umanitoba.ca/admissions](http://umanitoba.ca/admissions).

## Direct Entry Program Options Admission Requirements

Applicants must complete the following courses with the appropriate marks to be considered for their chosen direct entry program option. Students may apply prior to completing the required courses. Many programs will offer two direct entry routes, one option through University 1 and another option that is specific to that faculty or school.

### University 1

1. Manitoba high school graduation, with five full credits at the Grade 12 level, in courses designated S (Specialized), G (General), or U (Dual Credit – University), with a minimum of three of these credits in S or U courses.
2. Completion of one of the following sets of requirements:

#### Set A:

- i. One credit of Grade 12 S or U English with a minimum grade of 60%, and
- ii. A minimum average of 70% over three Grade 12 S or U credits

#### Set B: (Limited admission)

- i. One credit of Grade 12 S or U English, with a minimum grade of 60%, and
- ii. A minimum average of 63-69.9% over three Grade 12 S or U credits

#### Set C: (Limited admission)

- i. A minimum average of 70% over three Grade 12 S or U credits, but lacking the Grade 12 S or U English requirement (either less than 60% or no credit at all).

**Note:** Admission under Set B or C will be considered a limited admission to University 1; some registration restrictions and performance standards will apply, and additional academic supports and services will be provided.

### Faculty of Agricultural and Food Sciences\*

1. Manitoba high school graduation, with five full credits at the Grade 12 level, in courses designated S, G or U.
2. A minimum 85% average over the following, with no less than 60% in each course:
  - English 40S
  - Pre-Calculus Mathematics 40S or Applied Mathematics 40S
  - Chemistry 40S, Physics 40S, Biology 40S, or Computer Science 40S

### School of Agriculture (2 year diploma program)

1. Completion of Grade 12 and Manitoba high school graduation are recommended.
2. English 40S, Mathematics 40S or 45S, and a Science 40S are required.
3. Students without a suitable high school standing may be admitted upon the recommendation of a selection committee. An interview may be required.

### School of Art (Studio Degree Program)

1. Candidates must meet the same admission standards as University 1 applicants.
2. A portfolio is required.
3. Grade 12 Art is recommended

### School of Art (Diploma Program)

1. Completion of Grade 12 and Manitoba high school graduation are recommended.
2. A portfolio is required.
3. Grade 12 Art is recommended

### Admissions Office

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## Direct Entry Program Options Admission Requirements continued...

### Asper School of Business\*<sup>1</sup>

1. Manitoba high school graduation, with five full credits at the Grade 12 level, in courses designated S, G or U.
2. A minimum 85% average over the following, with no less than 60% in each course:
  - English 40S
  - Pre-Calculus Mathematics 40S (recommended) or Applied Mathematics 40S
  - A third 40S course

### School of Dental Hygiene\*<sup>1</sup>

1. Manitoba high school graduation, with five full credits at the Grade 12 level, in courses designated S, G or U.
2. A minimum 85% average over the following, with no less than 60% in each course:
  - English 40S
  - Two of Biology 40S, Chemistry 40S or Mathematics 40S (either Pre-Calculus Mathematics 40S, recommended, or Applied Mathematics 40S)

### Faculty of Engineering

1. Manitoba high school graduation, with five full credits at the Grade 12 level, in courses designated S, G or U.
2. A minimum 85% average over the following, with no less than 60% in each course:
  - Pre-Calculus Mathematics 40S
  - Chemistry 40S
  - Physics 40S

### Faculty of Human Ecology\*

1. Manitoba high school graduation, with five full credits at the Grade 12 level, in courses designated S, G or U.
2. A minimum 85% average over the following, with no less than 60% in each course:
  - English 40S
  - Chemistry 40S, Biology 40S, or a Mathematics 40S
  - A third 40S course

### Faculty of Kinesiology and Recreation Management\*<sup>1</sup> (Athletic Therapy requires applicants to have completed university studies)

1. Manitoba high school graduation, with five full credits at the Grade 12 level, in courses designated S, G or U.
2. A minimum 85% average over the following, with no less than 60% in each course:
  - English 40S
  - A Mathematics 40S
  - Biology 40S (recommended), Chemistry 40S, Physics 40S, or a Social Studies 40S (including World Human Geography, Western Civilization History, and Social Studies: World Issues)

### Marcel A. Desautels Faculty of Music

1. Candidates must meet the same admission standards as University 1 applicants.
2. An audition and a theory assessment are required.
3. Recommended level of musicianship (Toronto Conservatory or Conservatory Canada): Piano/Strings/Organ: 8; Voice/Winds: 7.
4. Music 40S and a 40S language are recommended.
5. Students must submit a supplementary music undergraduate application form to the Marcel A. Desautels Faculty of Music.

### Faculty of Science\*

1. Manitoba high school graduation, with five full credits at the Grade 12 level, in courses designated S, G or U.
2. A minimum 85% average over the following, with no less than 60% in each course:
  - English 40S
  - Pre-Calculus Mathematics 40S (recommended) or Applied Mathematics 40S
  - Biology 40S, Chemistry 40S, Computer Science 40S, or Physics 40S

### General Studies (Extended Education)

1. Candidates must meet the same admission standards as Set A University 1 applicants.

**Note:** High school students or mature status students who are planning to complete a degree at the University of Manitoba should seek admission to University 1.

\* Applicants who have completed any university or college courses after high school graduation must meet the qualifications for Advanced Entry Program Options.

<sup>1</sup> In cases where eligible applicants outnumber the available spaces, applicants will require higher averages than stipulated to be successful in the admissions competition.

## Advanced Early Admission

Students may apply for advanced early consideration to University 1, Agricultural & Food Sciences, Business, Engineering, Human Ecology, Music and Science based on their Manitoba Grade 11 or provincial equivalent marks. Qualifying students will receive a conditional acceptance, **but they must still meet the direct entry program requirements by the end of their Grade 12 year.** Students who do not qualify for conditional acceptance and submit their marks by the required deadline will automatically be considered for admission based on their Grade 12 marks. More details on how to apply for Advanced Early Admission and other admission deadlines are available on the Admissions website, [umanitoba.ca/admissions](http://umanitoba.ca/admissions).

# High School Subject Prerequisites

Many programs will require or recommend specific high school courses over and above their admission requirements. These high school prerequisites (HSP) are not always required to enter the program, but they must be completed to enrol in certain university courses within it. If a student does not have a particular prerequisite when they enter the program, they may complete an equivalent upgrading course at university that will satisfy the prerequisite requirement. Please visit our website and consult Faculty Applicant Information Bulletin for more information.

## Legend:

● Required. ○ Courses may be required depending on university course selection.

‡ Applications accepted from international students, but priority given to Canadian Citizens or Permanent Residents.

\* Resident Priority, no international students admitted but open to all Canadian Citizens or Permanent Residents.

<sup>1</sup> Students may be admitted without having completed these high school courses, however, students will be required to fulfill prerequisite requirements during the program.

<sup>2</sup> Minimum 60%.

<sup>3</sup> Applied Math 40S (min. 70%) or Pre-Calculus Math 40S (min. 60%).

|  | Applied Math 40S (min. 70%) or Pre-Calculus Math 40S (min. 50%) | Applied Math 40S (min. 50%) or Pre-Calculus Math 40S (min. 50%) | Math 40S (any level) | Pre-Calculus Math 40S (min. 60%) | Biology 40S | Chemistry 40S | Physics 40S | Music 40S | Art 40S |
|--|---|---|----------------------|----------------------------------|-------------|---------------|-------------|-----------|---------|
| <b>Agricultural and Food Sciences<sup>1</sup></b>  |   |   |                      |                                  |             |               |             |           |         |
| Agribusiness   |   |   |                      | ●                                | ○           | ○             | ○           |           |         |
| Agriculture  | ● <sup>3</sup>  |   |                      |                                  | ●           | ●             |             |           |         |
| Agroecology  | ● <sup>3</sup>  |   |                      |                                  | ●           | ●             |             |           |         |
| Food Science   |   |   |                      | ●                                | ●           | ●             |             |           |         |
| Pre-Veterinary Medicine  |   |   |                      | ●                                | ●           | ●             | ●           |           |         |
| <b>Architecture (Environmental Design) ‡</b>   |   |   |                      |                                  |             |               |             |           |         |
| <b>Arts (all majors)</b>   |   |   |                      |                                  |             |               |             |           |         |
| <b>Business, Asper School of</b>   |   |   |                      |                                  |             |               |             |           |         |
| Dental Hygiene*  |   | ●   |                      |                                  | ○           | ●             |             |           |         |
| Dentistry* <i>Note: Admission into Dentistry is based on two years (60 credit hours) of university course work with required courses, results of the English Canadian Dental Aptitude Test (DAT), and an interview.</i>            | ●   |   |                      |                                  | ●           | ●             | ●           |           |         |
| Education <i>Note: Requirements are dependant on subject areas one plans on teaching.</i>  | ○   | ○   | ○                    | ○                                | ○           | ○             | ○           |           |         |
| <b>Engineering</b>   |   |   |                      |                                  |             |               |             |           |         |
| <b>Environment, Earth, and Resources, Clayton H. Riddell Faculty of</b>  |   |   |                      |                                  |             |               |             |           |         |
| Environmental Science  |   |   |                      | ●                                | ●           | ●             | ●           |           |         |
| Environmental Studies  |   |   | ●                    |                                  | ○           | ○             | ○           |           |         |
| Geological Sciences - General  |   |   | ●                    |                                  |             | ●             | ○           |           |         |
| Geology  |   |   |                      | ●                                |             | ●             | ●           |           |         |
| Geophysics   |   |   |                      | ●                                |             |               | ●           |           |         |
| Geography - B.A.   |   |   | ○                    |                                  |             |               |             |           |         |
| Physical Geography - B.Sc.   |   |   |                      | ●                                | ○           | ○             | ●           |           |         |
| <b>Fine Arts</b>   |   |   |                      |                                  |             |               |             |           |         |
| Art History  |   |   |                      |                                  |             |               |             |           | ○       |
| Studio Degree  |   |   |                      |                                  |             |               |             |           | ○       |
| <b>Human Ecology<sup>1</sup></b>   |   |   |                      |                                  |             |               |             |           |         |
| Family Social Sciences   |   | ○   | ●                    |                                  |             | ○             |             |           |         |
| Human Ecology Program  |   | ○   | ●                    |                                  |             | ○             |             |           |         |
| Human Nutritional Sciences   |   | ●   |                      |                                  | ●           | ●             |             |           |         |
| Interdisciplinary Health - Health Studies  |   | ●   |                      |                                  | ●           | ●             |             |           |         |
| Textile Sciences   |   | ●   |                      | ○                                | ●           | ●             | ○           |           |         |
| <b>Kinesiology and Recreation Management</b>   |   |   |                      |                                  |             |               |             |           |         |
| Recreation Management and Community Development  |   |   | ●                    |                                  |             |               |             |           |         |
| Kinesiology (Athletic Therapy included)  |   |   | ●                    |                                  | ○           | ○             | ○           |           |         |
| Physical Education   |   |   | ○                    |                                  | ○           |               |             |           |         |
| <b>Law</b> <i>Note: Admission into Law is based on two years (60 credit hours) of university course work and final results of the Law School Admission Test (LSAT).</i>  |   |   |                      |                                  |             |               |             |           |         |
| <b>Medical Rehabilitation*</b>   |   |   |                      |                                  |             |               |             |           |         |
| Occupational Therapy <i>Note: Occupational Therapy is a graduate program; a degree is required for application as well as an interview.</i>  |   |   | ●                    |                                  | ○           |               | ○           |           |         |
| Physical Therapy <i>Note: Physical Therapy is a graduate program; a degree is required for application as well as an interview.</i>  |   | ○   | ●                    |                                  | ○           | ○             | ○           |           |         |
| Respiratory Therapy <i>Note: Interview required for application.</i>   |   | ○   | ●                    |                                  | ○           | ○             | ○           |           |         |
| <b>Medicine*</b> <i>Note: Admission into Medicine is based on the results of the Medical College Admission Test (MCAT), an interview, and completion of any type of undergraduate degree with the required university courses.</i> | ●   |   |                      |                                  | ●           | ●             | ○           |           |         |
| <b>Music, Marcel A. Desautels Faculty of</b> <i>Note: Audition and theory test are required for admission into Music. Knowledge of a second 40S language is recommended.</i>   |   |   |                      |                                  |             |               |             |           | ○       |
| <b>Nursing</b>   |   |   |                      |                                  |             |               |             |           |         |
| <b>Pharmacy*</b>   |   |   |                      |                                  |             |               |             |           |         |
| <b>Science</b> <i>Note: Astronomy, Biology, Chemistry, Computer Science, Mathematics, Physics, and Statistics have specific 40S level science requirements.</i>  | ○   | ○   | ○                    | ○                                | ○           | ○             | ○           |           |         |
| <b>Social Work</b>   |   |   |                      |                                  |             |               |             |           |         |

# Programs

Admission requirements and high school prerequisites are listed by Faculty or School rather than program. Please consult the program list to find the Faculty or School for your program of interest.

## Faculty of Agricultural & Food Sciences

Agribusiness  
Agroecology  
Agronomy  
Animal Systems  
Entomology  
Food Science  
Plant Biotechnology  
Pre-Veterinary Medicine  
Soil Science

## School of Agriculture

Agriculture Diploma

## Faculty of Architecture

Environmental Design  
Architecture (masters)  
City Planning (masters)  
Interior Design (masters)  
Landscape Architecture (masters)

## School of Art

Art History  
Ceramics  
Drawing  
Graphic Design  
Painting  
Photography  
Printmaking  
Sculpture  
Video

## Faculty of Arts

Aboriginal Governance  
American Sign Language/  
English Interpretation  
Anthropology  
Asian Studies  
Canadian Studies  
Catholic Studies  
Central & East European  
Studies  
Classics  
Classical Studies  
Cree  
Criminology  
Drama  
Economics  
English  
Film Studies  
French

German  
Global Political Economy  
Greek  
History  
History of Art  
Icelandic  
Italian  
Judaic Studies  
Labour Studies  
Latin  
Latin American Studies  
Linguistics  
Mathematics  
Medieval & Renaissance Studies  
Music  
Native Studies  
Ojibway  
Philosophy  
Polish  
Political Studies  
Psychology  
Religion  
Russian  
Sociology  
Spanish  
Theatre  
Ukrainian  
Ukrainian Canadian Heritage  
Studies  
Women's & Gender Studies

## Asper School of Business

Aboriginal Business Studies  
Accounting  
Actuarial Mathematics  
Business Generalist  
Entrepreneurship/Small  
Business  
Finance  
Human Resource Management  
International Business  
Logistics and Supply Chain  
Management  
Management Information  
Systems  
Management of Organizations  
Marketing  
Operational Research/  
Operations Management

## School of Dental Hygiene

Dental Hygiene

## Faculty of Dentistry

Dentistry

## Faculty of Education

Education

## Faculty of Engineering

Biosystems Engineering  
Civil Engineering  
Computer Engineering  
Electrical Engineering  
Mechanical Engineering

## Clayton H. Riddell Faculty of Environment, Earth, & Resources

Environmental Science  
Environmental Studies  
Geography  
Geological Sciences  
Geology  
Geophysics  
Physical Geography

## Faculty of Human Ecology

Family Social Sciences  
Human Ecology - general  
program  
Health Sciences  
Health Studies  
Human Nutritional Sciences  
Textile Sciences

## Faculty of Kinesiology & Recreation Management

Athletic Therapy  
Kinesiology  
Physical Education  
Recreation Management and  
Community Development

## Faculty of Law

Law

## School of Medical Rehabilitation

Physical Therapy (masters)  
Occupational Therapy (masters)  
Respiratory Therapy

## Faculty of Medicine

Medicine

## Marcel A. Desautels

## Faculty of Music

Music Composition  
Music Education  
Music History  
Music Performance  
Jazz Studies

## Faculty of Nursing

Nursing

## Faculty of Pharmacy

Pharmacy

## Faculty of Science

Actuarial Mathematics  
Applied Mathematics  
Astronomy  
Biochemistry  
Biological Sciences  
Biotechnology  
Chemistry  
Computer Science  
Genetics  
Mathematics  
Microbiology  
Physics  
Psychology  
Statistics  
Pre-Dentistry  
Pre-Medicine  
Pre-Occupational Therapy  
Pre-Pharmacy  
Pre-Physical Therapy  
Pre-Veterinary Medicine

## Faculty of Social Work

Social Work

## University 1

Offers first year required courses for all program, designed as the first year for advanced entry program options.

## Admissions Office

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