

## Academic Programs

MAJORS	REQUIRED HIGH SCHOOL PREREQUISITES	BA 3YR	BA 4YR	BA Hons.	B Sc 3YR	B Sc 4YR	B Sc Hons.	B Ed	RRC Joint**	Master
<b>Aboriginal Governance/ Self-Government Administration</b>	None	•	•	•					•	• MA
<b>Anthropology</b>	None	•	•	•						
<b>Applied Computer Science*</b>	Pre-Calculus Mathematics 40S or Applied Mathematics 40S	•	•		•	•	•			• M Sc
<b>Applied Management Studies (Great-West Life)</b>	Computer Science 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S recommended	•								
<b>Bioanthropology</b>	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S				•	•				
<b>Biochemistry</b>	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S are required				•	•	•			
<b>Biology*</b>	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S				•	•	•			•
<b>Biopsychology</b>	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S				•	•	•			
<b>Business and Administration</b>	Pre-Calculus Mathematics 40S or Applied Mathematics 40S are required	•BBA	•BBA							•
<b>Chemistry</b>	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S				•	•	•			•
<b>Classics</b>	None	•	•	•						
<b>Communications</b>	None; requires simultaneous application with Red River College		•							•
<b>Conflict Resolution Studies</b>	None	•	•							
<b>Criminal Justice</b>	None	•		•						
<b>Developmental Studies*</b>	None	•								•
<b>Economics*</b>	Pre-Calculus Mathematics 40S or Applied Mathematics 40S	•	•	•						
<b>Education (Integrated B Ed / BA or B Sc)</b>	See the majors marked with an asterisk (*) to find possible teaching majors/minors and their requirements. Teaching majors in Aboriginal Languages, Business Education, Industrial Arts/Technology Education and Vocational Education are available through the joint programs with Red River College	•			•			•		•
<b>English*</b>	None	•	•	•						
<b>Environmental Studies</b>	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S are required for the B Sc; Pre-Calculus Mathematics 40S is required for the Chemistry Stream	•	•			•				•
<b>French Studies*</b>	French 40S, Françias 40S, IB French or French AP	•	•	•						
<b>Geography*</b>	Pre-Calculus Mathematics 40S or Applied Mathematics 40S is required for B Sc	•	•	•	•	•	•			
<b>German Studies*</b>	None	•	•							
<b>History*</b>	None	•	•	•						
<b>History of Art</b>	None	•								
<b>Human Rights and Global Studies</b>	None	•	•							
<b>Interdisciplinary Linguistics</b>	None	•	•	•						
<b>International Development Studies</b>	None	•	•	•						
<b>Kinesiology and Applied Health*</b>	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S are required for the B Sc in Exercise Science	•	•			•				
<b>Mathematics*</b>	Pre-Calculus Mathematics 40S or Applied Mathematics 40S	•	•		•	•	•			
<b>Philosophy*</b>	None	•	•	•						
<b>Physics*</b>	Physics 40S and Pre-Calculus Mathematics 40S or Applied Mathematics 40S; Chemistry 40S is required for the Chemical Physics stream				•	•	•			
<b>Politics*</b>	None	•	•	•						
<b>Psychiatric Nursing (Collaborative program with Brandon University)</b>	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S are strongly recommended					•				
<b>Psychology*</b>	None	•		•						
<b>Religious Studies</b>	None	•	•	•						•

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## Academic Programs (CONTINUED FROM PAGE 39)

MAJORS	REQUIRED HIGH SCHOOL PREREQUISITES	BA 3YR	BA 4YR	BA Hons.	B Sc 3YR	B Sc 4YR	B Sc Hons.	B Ed	RRC Joint**
<b>Rhetoric and Communications</b>	None	•	•						
<b>Sociology*</b>	None	•	•	•					
<b>Spanish Studies</b>	None	•	•						
<b>Statistics</b>	Pre-Calculus Mathematics 40S or Applied Mathematics 40S	•	•		•	•			
<b>Theatre and Film: Theatre and Film Stream*</b>	None	•		•					
<b>Theatre and Film: Dance Stream*</b>	Audition with the School of Contemporary Dancers	•		•					
<b>Urban and Inner City Studies</b>	None	•	•	•					
<b>Women's and Gender Studies</b>	None	•	•	•					

\*These are possible teaching major/minors for Educations students.

\*\*RRC joint programs involve course work at both The University of Winnipeg and Red River College. Graduates of the 4-year B Sc Applied Sciences programs (Biology, Chemistry, Environmental Studies) will receive a joint degree parchment from both institutions.

## Pre-Professional and Preparatory Studies

MAJORS	REQUIRED HIGH SCHOOL PREREQUISITES	Time at The University of Winnipeg	Total Years
<b>Architecture / Environmental Design</b> (University of Manitoba)	None; Pre-Calculus Mathematics 40S or Applied Mathematics 40S are recommended	30 credit hours/1 year	4 years/6 years
<b>Chiropractic</b> (Canadian Memorial Chiropractic College)	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S	90 credit hours/3 years	7 years
<b>Commerce</b> (University of Manitoba)	Pre-Calculus Mathematics 40S	30 credit hours/1 year	4 years
<b>Dental Hygiene</b> (University of Manitoba)	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S; Biology 40S is recommended	30 credit hours/1 year	3 years
<b>Dentistry</b> (University of Manitoba)	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S; Physics 40S and Pre-Calculus Mathematics 40S may be required depending on the first year courses you select; Biology 40S is recommended	60 credit hours/2 years	6 years
<b>Engineering</b> (Dual degree with the University of Minnesota Institute of Technology)	Chemistry 40S, Pre-Calculus Mathematics 40S and Physics 40S; Computer Engineering students do not need Chemistry 40S	90 credit hours/3 years	5 years
<b>Journalism</b> (University of Regina)	Pre-Calculus Mathematics 40S or Applied Mathematics 40S may be required depending on the first year courses you select	60 credit hours/2 years	4 years
<b>Law</b> (University of Manitoba)	None; High School prerequisites depend on the university courses you select	60 credit hours/2 years	5 years
<b>Medical Rehabilitation: Physical Therapy &amp; Respiratory Therapy</b> (University of Manitoba)	None; Chemistry 40S, Pre-Calculus Mathematics 40S or Applied Mathematics 40S may be required depending on the courses you select and are strongly recommended; Biology 40S and Physics 30S or 40S are also recommended	30 credit hours/1 year	4 years
<b>Medicine</b> (University of Manitoba)	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S; Biology 40S, Physics 40S, Pre-Calculus Mathematics 40S and English 40S are recommended	90 credit hours/3 years	7 years
<b>Occupational Therapy</b> (University of Manitoba) Master's degree	Admission is based on completion of BA or B.Sc.; Pre-Calculus Mathematics 40S or Applied Mathematics 40S is required; Biology 40S, Chemistry 40S, Physics 30S or 40S are strongly recommended	90 credit hours/3 years	5 years
<b>Optometry</b> (University of Waterloo)	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S; Physics 40S and Pre-Calculus Mathematics 40S may be required depending courses you select	90 credit hours/3 years	7 years
<b>Pharmacy</b> (University of Manitoba)	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S; Biology 40S is recommended	30 credit hours/1 year	5 years
<b>Social Work</b> (University of Manitoba)	None	30 credit hours/1 year	4 years
<b>Veterinary Medicine</b> (University of Saskatchewan)	Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S; Physics 40S and Pre-Calculus Mathematics 40S may be required depending courses you select	60 credit hours/2 years	6 years