

Senate
Fort Garry Campus:
Senate Chamber
Room E3-262 Engineering Building

Bannatyne Campus:
Room 206 Chown Building

Wednesday, November 5, 2025
1:30 p.m.

Agenda

- I Matters to be Considered in Closed Session - none**
- II Matters Recommended for Concurrence Without Debate**
1. **2026 – 2027 Academic Schedule** Page 4
 2. **Revisions to 2025 – 2026 Academic Schedule,
RE: College of Nursing** Page 28
 3. **Reports of the Faculty of Graduate and Postdoctoral Studies
Executive Committee on Course and Curriculum Changes**
 - a) **RE: College of Community and Global Health** Page 29
 - b) **RE: Disability Studies** Page 30
 - c) **RE: College of Pharmacy** Page 31
 4. **Report of the Senate Committee on Rules and Procedures
RE: Revised Terms of Reference, Senate Committee on
University Research** Page 32
- III Matters Forwarded for Information**
1. **Report of the Senate Committee on Awards [September 22, 2025]** Page 34
 2. **Report of the Senate Committee on Appeals [October 8, 2025]** Page 46
 3. **Correspondence from the President and Vice-Chancellor
RE: Request for One-Time Increase to Admission Target,
Bachelor of Commerce (Honours) Program, Asper School
of Business** Page 48
(for consultation)
- IV Report of the President**

V Question Period

Senators are reminded that questions related to matters not on the agenda shall normally be submitted in writing to the University Secretary no later than 10:00 a.m. of the Monday preceding the meeting.

Senators are reminded that questions pertaining to items on the agenda can be asked during the Senate meeting and do not require submission in advance.

VI Consideration of the Minutes of the Meeting of October 1, 2025

VII Business Arising from the Minutes - none

VIII Reports of the Senate Executive Committee and the Senate Planning and Priorities Committee

1. Report of the Senate Executive Committee Page 51

Comments of the Senate Executive Committee will accompany the report on which they are made.

2. Report of the Senate Planning and Priorities Committee

The Chair will make an oral report of the Committee's activities.

IX Reports of other Committees of Senate, Faculty and School Councils

1. Report of the Faculty Council of the Price Faculty of Engineering RE: Proposed Articulation Agreements, B.Sc. (Biosystems Engineering), B.Sc. (Computer Engineering), and B.Sc. (Electrical Engineering) – Red River College Polytechnic, Engineering Technology Diploma Programs Page 54

a) Report of the Senate Committee on Curriculum and Course Changes Page 54

b) Reports of the Senate Committee on Admissions Page 57

2. Report of the Senate Committee on Admissions RE: Revised Direct Entry Admission Requirements, Diploma in Agriculture, Faculty of Agricultural and Food Sciences Page 130

3. Report of Senate Committee on Instruction and Evaluation RE: Revised Academic Regulations concerning Maximum Time Limit for Dentistry and Dental Hygiene Programs, Dr. Gerald Niznick College of Dentistry Page 133

4. Reports of the Senate Committee on University Research

a) RE: Proposal for Professorship in Clinical Health Psychology, Department of Clinical Health Psychology, Max Rady College of Medicine Page 136

b) **RE: Proposal for Professorship in Internal Medicine
Clinical Science, Department of Internal Medicine,
Max Rady College of Medicine**

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X **Additional Business**

1. **Senate Assessment Survey 2025, Summary Report**
(for discussion)

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XI **Adjournment**

Please send regrets to shannon.coyston@umanitoba.ca.



**University
of Manitoba**

Office of the Registrar and
Enrolment Services

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Winnipeg, Manitoba
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T: 204-474-8820
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TO: Jeff Leclerc, University Secretary

FROM: Jeff Adams, University Registrar and Executive Director, Enrolment Services

DATE: October 7, 2025

SUBJECT: Proposed Academic Schedule for 2026-27

The attached proposed 2026-27 Academic Schedule has been updated based on changes in days and/or dates to conform to the 2026 and 2027 calendars and University Closure dates, along with revised information received from academic units. The proposed schedule has been reviewed by all Faculties, Colleges, and Schools. Some dates are still TBA as the information was not yet available. We will return the Academic Schedule to Senate in the near future to finalize the outstanding dates. Due to the fact that Labour Day in 2026 falls on September 7th (the latest possible scenario) the fall term will be 61 instructional days instead of 62.

[Comments of the Senate Executive Committee:](#)

[The Senate Executive Committee endorses the Report to Senate.](#)

CC:
Laurie Schnarr, Vice-Provost (Students)
Shannon Coyston, Associate University Secretary (Senate)

DRAFT 2026-2027 Academic Schedule (Updated October 27, 2025)

Admission application deadlines are found online at umanitoba.ca/student/admissions. Additional important date information for Faculty of Graduate and Postdoctoral Studies students is available at

<https://umanitoba.ca/graduate-studies/student-experience/thesis-and-practicum/submit-your-thesis-or-practicum#thesis-submission-deadlines-and-requirements>

Faculties, schools, colleges and/or programs may have other important dates and deadlines that are not included in the Academic Schedule.

| | |
|---|-----------|
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Section 1: Dates for Fall/Winter Term

This section contains information for Fall and Winter Terms, including distance and online courses. See section 2 for Summer Term information, including information for distance and online courses offered over Summer Term.

1.1 Dates applicable to all UM students:

1.1.1 University Closure

When the University is closed no classes/examinations will be held, and course assignment deadlines will not be set on dates where the University is closed.

| | |
|-------------------------------------|-----------------------------|
| Canada Day | July 1, 2026 |
| Terry Fox Day (Civic Holiday) | Aug 3, 2026 |
| Labour Day | Sept 7, 2026 |
| Orange Shirt Day | Sept 30, 2026 |
| Thanksgiving Day..... | Oct 12, 2026 |
| Remembrance Day..... | Nov 11, 2026 |
| Winter Holiday... .. | Dec 24, 2026 to Jan 4, 2027 |
| Louis Riel Day | Feb 15, 2027 |
| Good Friday..... | Mar 26, 2027 |
| Victoria Day..... | May 24, 2027 |
| Canada Day | July 1, 2027 |
| Terry Fox Day (Civic Holiday) | Aug 2, 2027 |

1.2 Dates applicable to most UM students:

*Some additional or differing date information is included in separate sections for: **Agriculture Diploma, Applied Human Nutrition, Architecture, Art (School of), Dental Hygiene, Dentistry (includes IDDP), Education (B.Ed. only), Management, Medicine (excludes Family Social Sciences), Nursing, Occupational Therapy, Pharmacy, Physical Therapy, Physician Assistant Studies, Respiratory Therapy, and Social Work.** Students in these programs should also see their respective section of the Academic Schedule.*

1.2.1 Orientation

*Additional or differing dates exist for: **Agriculture Diploma, Applied Human Nutrition, Dental Hygiene, Education (B.Ed. only), Management, Medicine, Nursing, Midwifery, Occupational Therapy, Physical Therapy, Physician Assistant Studies, Respiratory Therapy, and Social Work.** Students in these programs should also see their respective section of the Academic Schedule.*

| | |
|--|-------------------|
| Welcome Day Fall Term | Sept 8, 2026 |
| Welcome Day Winter Term..... | Jan 6, 2027 |
| Architecture ED2..... | Aug 28, 2026 |
| Kinesiology and Recreation Management..... | TBD |
| Law..... | Sept 8, 2026 |
| Nurse Practitioner (NP)..... | Aug 24 & 25, 2026 |

1.2.2 Start and End Dates

Additional or differing dates exist for: Agriculture Diploma, Applied Human Nutrition, Dental Hygiene, Dentistry, Education, Management, Medicine, Nursing, Midwifery, Occupational Therapy, Pharmacy, Physical Therapy, Physician Assistant Studies, Respiratory Therapy, and Social Work. Students in these programs should also see their respective section of the Academic Schedule.

Fall Term..... Sept 9 to Dec 11, 2026
Winter Term.....Jan 7 to Apr 12, 2027
Winter/Summer Term spanning distance and online courses.....Jan 7 to July 8, 2027

1.2.3 Registration and Withdrawal Dates

Additional or differing dates exist for: Agriculture Diploma and other faculties, colleges and/or schools offering irregularly scheduled courses. Agriculture Diploma students should also see their respective section of the Academic Schedule; all others should also refer to the Class Schedule.

Regular Registration Period

Fall Term and Fall/Winter Term classes...Ends Sept 8, 2026
Winter Term classes and
Winter/Summer term spanning distance and online courses Ends Jan 6, 2027

Registration Revision Period

Students may use this period of time to make changes to their selected courses or class schedule. Last day to drop is 1 business day prior to the end of the Registration Revision Period.

Fall Term and Fall/Winter Term classes...Sept 9 to 23, 2026
Winter Term classes and
Winter/Summer term spanning distance and online coursesJan 7 to 21, 2027

Last Date to Drop without Penalty

Last date to drop and have course excluded from transcripts; VWs will be recorded on transcripts for courses dropped after this date. There will be no refunds for courses dropped after this date. Additional or differing dates exist for Agriculture Diploma; students in this program should also see their respective section of the Academic Schedule.

Fall TermSept 22, 2026
Fall/Winter Term classes Part A... Sept 22, 2026
Fall/Winter Term classes Part B (VW recorded if dropped after Sept. 22, 2026) Jan 20, 2027
Winter Term classes and
Winter/Summer term spanning distance and online courses Jan 20, 2027

Last Date to Register/Registration Revision Deadline

Fall Term and Fall/Winter Term classes.....Sept 23, 2026
Winter Term classes and
Winter/Summer term spanning distance and online courses..... Jan 21, 2027

Voluntary Withdrawal (VW) deadline

Last date to withdraw and not receive a final grade; students cannot withdraw from courses after this date.

| | |
|--|--------------|
| Fall Term classes | Nov 24, 2026 |
| Fall/Winter Term spanning classes..... | Jan 20, 2027 |
| Winter Term classes..... | Mar 22, 2027 |
| Winter/Summer Term spanning distance and online courses..... | May 13, 2027 |

1.2.4 Fee Deadlines

Fee Payment Deadline

A financial penalty will be assessed on accounts with an outstanding balance after this date.

| | |
|------------------|-------------|
| Fall Term | Oct 7, 2026 |
| Winter Term..... | Feb 3, 2027 |

***See Section 1.2.3 for the Last Day to Drop without Penalty**

1.2.5 Term Breaks

*Academic and administrative offices will be open during this period; no classes, tests or assignment due dates occur during this time. Additional or differing dates exist for: **Applied Human Nutrition, Dental Hygiene, Dentistry, Education (B.Ed. only), Medicine, Occupational Therapy, Pharmacy, Physical Therapy, Physician Assistant Studies, and Respiratory Therapy.** Students in these programs should also see their respective section of the Academic Schedule.*

Fall Term Break The UM will be closed Wednesday, Nov. 11 for Remembrance Day (see 1.1.1)..... Nov 9 to 13, 2026

Winter Term Break The UM will be closed Monday Feb. 15 for Louis Riel Day (see 1.1.1)..... Feb 15 to 19, 2027

1.2.6 Examination and Test Dates

*Students are reminded that they must remain available until all examination and test obligations have been fulfilled. Additional or differing dates exist for: **Agriculture Diploma, Applied Human Nutrition, Dental Hygiene, Dentistry, Education, Medicine, and Pharmacy.** Students in these programs should also see their respective section of the Academic Schedule. Students in faculties, colleges, schools or programs offering irregularly scheduled courses should also see the exam timetable available through their program office.*

Fall Term (includes tests and midterm exams for Fall/Winter Term classes)..... Dec 12 to 23, 2026

Winter Term (includes final exams for Fall/WinterTerm classes)Apr 13 to 25, 2027

1.2.7 Challenge for Credit

Challenge for Credit application deadline:

For classes offered Fall Term 2026
and spanning Fall/Winter 2026-2027.....Sept 23, 2026

For classes offered WinterTerm 2027...Jan 21, 2027

1.2.8 Final Grade Appeal Deadlines

For final grades received for Fall Term 2026 classes.....Jan 25, 2027
For final grades received for Winter Term 2027
and Fall 2026/Winter 2027 classes..... June 14, 2027

1.2.9 Graduation and University Convocation

Degrees, Diplomas and Certificates will be awarded at Convocation. Graduation date may differ from Convocation Ceremony date.

For students graduating Fall 2026:

Deadline to apply online to graduate for most Undergraduate students...July 8, 2026
Faculty of Graduate and Postdoctoral Studies Submission Deadline* Aug 26, 2026
Convocation Ceremony (Fort Garry and Bannatyne Campus Programs) .. October 20 to 22,
2026

For students graduating February 2027:

Deadline to apply online to graduate for most Undergraduate students... September 23, 2026
Faculty of Graduate and Postdoctoral Studies Submission Deadline*Jan 7, 2027
Graduation date for students graduating in February... ..February 3, 2027
Convocation Ceremony (Fort Garry and Bannatyne Campus Programs) ... May 31 to June 4, 2027

For students graduating Spring 2027:

Deadline to apply online to graduate for most Undergraduate students...January 21, 2027
Faculty of Graduate and Postdoctoral Studies Submission Deadline* Mar 25, 2027
Convocation Ceremony – Fort Garry and Bannatyne Campus Programs...May 31 to June 4, 2027
Convocation Ceremony – Université de Saint-Boniface June 7, 2027
Graduate and Postdoctoral Studies Submission Deadline for students graduating Fall 2027* Aug 24, 2027
Annual Traditional Graduation Pow Wow in honour of Indigenous graduates.... May 1, 2027

** Last date for receipt by Graduate and Postdoctoral Studies of Theses/Practical and reports on Theses/practical, comprehensive examinations, and project reports from students, and lists of potential graduands from departments.*

1.3 Dates applicable to Agriculture Diploma:

1.3.1 Orientation Sept 11, 2026
(No Orientation in Winter Term)

1.3.2 Start and End Dates

Fall Term.....Sept 14 to Dec 11, 2026
Winter Term.....Jan 7 to Apr 8, 2027

1.3.3 Registration and Withdrawal Dates

Regular Registration Period

Fall Term and Fall/Winter Term classes.....Ends Sept 13, 2026
Winter Term classes.....Ends Jan 6, 2027

Late Registration/Registration Revision Period

A financial penalty may be assessed on late registrations. Students may use this period of time to make changes to their selected courses or class schedule.

Fall Term and Fall/Winter Term classes.....Sept 14 to 25, 2026
Winter Term classes.....Jan 7 to 20, 2027

Last Day to Drop without Penalty

Last date to drop and have class excluded from transcripts; VWs will be recorded on transcripts for classes dropped after this date.

Fall Term and Fall/Winter Term classes.....Sept 24, 2026
Winter Term classes.....Jan 19, 2027

Last Date to Register/Registration Revision Deadline

Fall Term and Fall/Winter Term classes.....Sept 25, 2026
Winter Term classes.....Jan 20, 2027

Voluntary (VW) Withdrawal deadline

Last date to withdraw and not receive a final grade; students cannot withdraw from classes after this date.

Fall Term classes.....Nov 23, 2026
Winter Term and Fall/Winter Term classes.....Mar 16, 2027

1.3.3 Examination and Test Dates

Fall Term (includes tests and midterm exams for Fall/Winter Term classes).....Dec 12 to 22, 2026
Winter Term (includes final exams for Fall/Winter Term classes).....Apr 10 to 21, 2027

1.4 Dates applicable to Applied Human Nutrition:

1.4.1 Orientation

Program Orientation.....Sept 1 to 4, 2026

1.4.2 Start and End Dates

Fall Term.....Sept 14 to Dec 18, 2026

Fall Fieldwork.....Sep 8, 2026

Winter Term.....Jan 4 to Apr 9, 2027

Winter Fieldwork.....Jan 5, 2027

1.4.3 Term Breaks

The academic and administrative offices will be open during this period, but there will be no classes/examinations held for students.

Fall Term Break.....N/A

Winter Term Break.....see section 1.2.5

(Some students may need to complete fieldwork during the winter term break)

1.4.4 Examinations and Test Dates

Fall Term.....N/A

Winter Term.....N/A

1.5 Dates applicable to Architecture:

1.5.1 Important Dates

EVDS 2100 (Mandatory Urban Media Lab.....Aug 31 to Sept 11, 2026

1.6 Dates applicable to Art (School of):

1.6.1 Important Dates

First Year Field Trip.....TBD

1.7 Dates applicable to Dental Hygiene:

1.7.1 Start and End Dates

Year 2

| | |
|---|------------------------|
| Fall Term Classes..... | Aug 17 to Nov 27, 2026 |
| Fall Term Clinics..... | Aug 31 to Nov 27, 2026 |
| Winter Term Classes..... | Jan 5 to Apr 2, 2027 |
| Winter Term Clinics..... | Jan 5 to Apr 16, 2027 |
| Clinical Clearance/Completion week..... | Apr 19 to 23, 2027 |

*No clinics during exam period.

Year 3

| | |
|---|------------------------|
| Fall Term Classes..... | Aug 10 to Nov 27, 2026 |
| Fall Term Clinics..... | Aug 24 to Nov 27, 2026 |
| Winter Term Classes..... | Jan 5 to Apr 2, 2027 |
| Winter Term Clinics..... | Jan 5 to Apr 9, 2027 |
| Clinical Clearance/Completion week..... | Apr 19 to 23, 2027 |

1.7.2 Registration and Withdrawal Dates

Last Date to drop without Penalty

Year 2

| | |
|---|--------------|
| Fall Term and Fall/Winter Term Classes..... | Aug 31, 2026 |
| Winter Term..... | Jan 19, 2027 |

Year 3

| | |
|---|--------------|
| Fall Term and Fall/Winter Term Classes..... | Aug 24, 2026 |
| Winter Term..... | Jan 19, 2027 |

Voluntary Withdrawal Deadline

Year 2

| | |
|-------------------------------|--------------|
| Fall Term..... | Nov 2, 2026 |
| Winter Term..... | Mar 9, 2027 |
| Fall/Winter Term Classes..... | Jan 19, 2027 |

Year 3

| | |
|-------------------------------|--------------|
| Fall Term..... | Nov 2, 2026 |
| Winter Term..... | Mar 9, 2027 |
| Fall/Winter Term Classes..... | Jan 19, 2027 |

1.7.3 Term Breaks

The academic and administrative offices will be open during this period, but there will be no classes/examinations held for students.

Fall Term Break.....N/A

Winter Term Break.....see section 1.2.5

1.7.4 Examination and Test Dates

Year 2

Fall Term (includes tests and midterm exams for Fall/Winter Term classes)....Nov 30 to Dec 11, 2026
Winter Term.....Apr 5 to 12, 2027

Year 3

Fall Term (includes tests and midterm exams for Fall/Winter Term classes)....Dec 7 to 11, 2026
Winter Term.....Apr 12 to 16, 2027

1.8 Dates applicable to Dentistry (including International Dentist Degree Program):

1.8.1 Start and End Dates

Year 1

Fall Term Classes.....Aug 17 to Nov 27, 2026
Fall Term Clinics.....Aug 31 to Nov 27, 2026
Winter Term Classes and Clinics.....Jan 5 to Apr 30, 2027
Clinical Clearance.....May 17 to 21, 2027

Year 2

Fall Term Classes.....Aug 10 to Nov 27, 2026
Fall Term Clinics.....Aug 31 to Nov 27, 2026
Winter Term Classes and Clinics.....Jan 5 to Apr 30, 2027
Clinical Clearance.....May 17 to 21, 2027

Year 3/IDDP 1

Fall Term Classes.....Aug 4 to Nov 27, 2026
Fall Term Clinics.....Aug 31 to Dec 4, 2026
Winter Term Classes and Clinics.....Jan 5 to Apr 30, 2027
Clinical Clearance.....May 17 to 21, 2027

Year 4/IDDP 2

Fall Term Classes.....Aug 4 to Nov 27, 2026
Fall Term Clinics.....Aug 31 to Dec 4, 2026
Winter Term Classes.....Jan 5 to Apr 23, 2027
Winter Term Clinics.....Jan 5 to Apr 30, 2027
Clinical Clearance.....May 3 to 7, 2027

1.8.2 Registration and Withdrawal Dates

Last Date to drop without Penalty

Year 1

Fall Term and Fall/Winter Term Classes.....Aug 31, 2026
Winter Term.....Jan 19, 2027

Year 2

Fall Term and Fall/Winter Term Classes.....Aug 24, 2026
Winter Term.....Jan 19, 2027

Year 3/IDDP 1

Fall Term and Fall/Winter Term Classes.....Aug 25, 2026
Winter Term.....Jan 19, 2027

Year 4/IDDP 2

Fall Term and Fall/Winter Term Classes.....Aug 25, 2026
Winter Term.....Jan 19, 2027

Voluntary Withdrawal Deadline

Year 1

Fall Term.....Nov 2, 2026
Winter Term.....Mar 30, 2027
Fall/Winter Term Classes.....Jan 19, 2027

Year 2

Fall Term.....Nov 2, 2026
Winter Term.....Mar 30, 2027
Fall/Winter Term Classes.....Jan 19, 2027

Year 3/IDDP 1

Fall Term.....Nov 3, 2026
Winter Term.....Mar 30, 2027
Fall/Winter Term Classes.....Jan 19, 2027

Year 4/IDDP 2

Fall Term.....Nov 3, 2026
Winter Term.....Mar 23, 2027
Fall/Winter Term Classes.....Jan 19, 2027

1.8.3 Term Breaks

The academic and administrative offices will be open during this period, but there will be no classes/examinations held for students.

Fall Term Break.....N/A

Winter Term Break..... see section 1.2.5

1.8.4 Examination and Test Dates

Years 1, 2 and 3/IDDP 1

Fall Term (includes tests and midterm exams for Fall/Winter Term classes)...Nov 30 to Dec 11, 2026
Winter Term.....May 3 to 14, 2027

Year 4/IDDP 2 (No examinations in winter term)

Fall Term (includes tests and midterm exams for Fall/Winter Term classes)....Nov 30 to Dec 11, 2026

1.9 Dates applicable to Education (B.Ed. only *):

**Note: Unless registered in a B.Ed. course, PBDE students follow the dates listed in Section 1.2: Dates applicable to most UM students.*

1.9.1 Orientation Sept 1, 2026

1.9.2 Start and End Dates

Fall Term

Day Classes.....Sept 2 to Nov 6, 2026
Practicum Blocks.....Sept 8 to 11, Nov 16 to Dec 14, 2026
Practicum Mondays.....Sept 21, Oct 5, 26, 2026
MTS PD Day.....Oct 23, 2026
Program Day.....Nov 2, 2026
Practicum Make-up Days (if required and assigned by faculty).....Dec 15 to 18, 2026

Winter Term

Day Classes..... Jan 5 to Mar 12, 2027
Practicum Mondays.....Jan 11, 18, 25, Feb 8, 22, Mar 1, 8, 2027
Program Day.....Feb 1, 2027
Practicum Block.....Mar 15 to 25; Apr 5 to 22, 2027
Practicum Make-up Days (if required and assigned by faculty).....Apr 23 to 28, 2027

1.9.3 Term Breaks

The academic and administrative offices will be open during this period, but there will be no classes/examinations held for students.

Fall Term Breaksee section 1.2.5

Winter Term Break.....see section 1.2.5

Winter Practicum Break.....Mar 29 to Apr 2, 2027

1.9.4 Examination and Test Dates

Fall Term (as required).....Nov 7, 2026

Winter Term (as required).....Mar 13, 2027

1.10 Dates applicable to Management (M.B.A./M.Fin./M.S.C.M.):

1.10.1 Orientation

Fall Term.....Sep 11, 2026
Winter Term.....Jan 8, 2027

1.10.2 Start and End Dates

Fall Term.....TBD
Winter Term.....see section 1.2.2

1.11 Dates applicable to Medicine (excludes Family Social Sciences and Interdisciplinary Health Programs):

Note: Family Social Sciences and Interdisciplinary Health Programs students follow the dates listed in Section 1.2: Dates applicable to most UM students.

1.11.1 Orientation

Year 1.....Aug 17 to 21, 2026
Year 3.....August 31, 2026

1.11.2 Start and End Dates

Year 1

Fall Term.....Aug 24 to Dec 18, 2026
Winter Term.....Jan 4 to May 21, 2027
Rural Week.....one-week placement between
May 24 to June 4, 2027

Year 2

Fall Term.....Aug 24 to Dec 18, 2026
Winter Term.....Jan 4 to May 21, 2027

Year 3 & 4

Fall Term.....Aug 31 to Dec 18, 2026
Winter Term.....Jan 4 to May 7, 2027

1.11.3 Registration and Withdrawal Dates

Last Date to drop without Penalty

Year 1, 2, 3, 4

Fall Term and Fall/Winter Term Classes.....Sept 14, 2026
Winter Term.....Jan 25, 2027

Voluntary Withdrawal Deadline

Year 1, 2, 3, 4

| | |
|-------------------------------|--------------|
| Fall Term..... | Nov 23, 2026 |
| Winter Term..... | Apr 12, 2027 |
| Fall/Winter Term Classes..... | Jan 25, 2027 |

1.11.4 Term Breaks

The academic and administrative offices will be open during this period, but there will be no classes/examinations held for students.

Year 1 & 2

| | |
|------------------------|--------------------|
| Fall Term Break..... | N/A |
| Winter Term Break..... | Mar 15 to 19, 2027 |

Year 3 & 4

| | |
|--------------------------|-----|
| Fall & Winter Term Break | N/A |
|--------------------------|-----|

1.11.5 Examination and Test Dates

N/A

1.12 Dates applicable to Nursing & Midwifery

1.12.1 Nursing Orientation

| | |
|------------------|-------------------|
| Fall Term..... | Aug 26 & 27, 2026 |
| Winter Term..... | Dec 17 & 18, 2026 |

1.12.2 Nursing Start and End Dates

***Note: Some students may need to complete preparatory activities or clinical orientation prior to the start of term.**

Fall & Winter Term Classes

Term 5 classes may start earlier than regular academic schedule, please check Aurora for dates.

1.12.3 Midwifery New Student Welcome.....Sep 8, 2026

1.12.4 Midwifery Start and End Dates

| | |
|----------------|-----------------------|
| MDFY 3020..... | Jan 7 to Feb 3, 2027* |
|----------------|-----------------------|

*This course may be deleted and replaced by a proposed Indigenous Health Course.

1.13 Dates applicable to Occupational Therapy:

1.13.1 Orientation

| | |
|-------------|-----------------------|
| Year 1..... | Aug 31 & Sept 1, 2026 |
| Year 2..... | Aug 31, 2026 |

1.13.2 Start and End Dates

Year 1

| | |
|--------------------------|------------------------|
| Fall Term Classes..... | Aug 31 to Nov 20, 2026 |
| Basic Fieldwork..... | Nov 23 to Dec 18, 2026 |
| Winter Term Classes..... | Jan 4 to Apr 30, 2027 |

Year 2

| | |
|-------------------------------|------------------------|
| Fall Term Classes..... | Aug 31 to Dec 18, 2026 |
| Intermediate Fieldwork 2..... | Jan 4 to Feb 26, 2027 |
| | Jan 11 to Mar 5, 2027 |
| Winter Term Classes..... | Mar 8 to June 25, 2027 |

1.13.3 Registration and Withdrawal Dates

Last Date to drop without Penalty

Year 1

| | |
|---|---------------|
| Fall Term and Fall/Winter Term Classes..... | Sept 14, 2026 |
| Winter Term..... | Jan 25, 2027 |

Year 2

| | |
|---|---------------|
| Fall Term and Fall/Winter Term Classes..... | Sept 14, 2026 |
| Winter Term..... | Mar 22, 2027 |

Voluntary Withdrawal Deadline

Year 1

| | |
|-------------------------------|--------------|
| Fall Term..... | Nov 2, 2026 |
| Winter Term..... | Apr 5, 2027 |
| Fall/Winter Term Classes..... | Jan 25, 2027 |

Year 2

| | |
|-------------------------------|--------------|
| Fall Term | Nov 23, 2026 |
| Winter Term..... | May 31, 2027 |
| Fall/Winter Term Classes..... | Mar 22, 2027 |

1.13.4 Term Breaks

The academic and administrative offices will be open during this period, but there will be no classes/examinations held for students.

Fall Term Break.....N/A

Winter Term Break.....Mar 1 to 5, 2027

**Note: Some students may need to complete fieldwork during the mid-term break depending on availability of fieldwork sites.*

1.13.5 Examination and Test Dates

N/A

1.14 Dates applicable to Pharmacy:

1.14.1 Orientation

Year 1 Aug 31, 2026

1.14.2 Start and End Dates

Year 1

Fall Term Classes.....Sept 1 to Dec 11, 2026
Winter Term Classes.....Jan 5 to Apr 12, 2027

Year 2

Fall Term Classes.....Aug 31 to Dec 7, 2026
IPPE Community.....Jan 4 to 29, 2027
Winter Term Classes.....Feb 1 to May 7, 2027

Year 3

Fall Term Classes.....Sept 8 to Dec 14, 2026
Winter Term Classes.....Jan 5 to Apr 12, 2027

Year 4 APPE Rotations

Block 3.....Aug 24 to Oct 16, 2026
Block 4.....Oct 19 to Dec 11, 2026
Block 5.....Jan 4 to Feb 26, 2027
Block 6.....Mar 1 to Apr 23, 2027

1.14.3 Registration and Withdrawal Dates

Last Date to drop without Penalty

Year 1

Fall Term and Fall/Winter Term Classes.....Sept 15, 2026
Winter Term.....Jan 19, 2027

Year 2

Fall Term and Fall/Winter Term Classes.....Sept 14, 2026
Winter Term.....Feb 19, 2027

Year 3

Fall Term and Fall/Winter Term Classes.....Sept 22, 2026
Winter Term.....Jan 19, 2027

Voluntary Withdrawal Deadline

Year 1

Fall TermNov 17, 2026
Winter Term.....Mar 16, 2027
Fall/Winter Term Classes.....Jan 19, 2027

Year 2

Fall Term.....Nov 9, 2026
Winter Term.....Apr 16, 2027
Fall/Winter Term Classes.....Feb 19, 2027

Year 3

Fall Term.....Nov 17, 2026
Winter Term.....Mar 16, 2027

Fall/Winter Term Classes.....Jan 19, 2027

1.14.4 Term Breaks

The academic and administrative offices will be open during this period, but there will be no classes/examinations held for students.

| | |
|-----------------------|--------------------|
| Year 1 & 3 | See section 1.2.5 |
| Year 2 | |
| Fall..... | See section 1.2.5 |
| Winter..... | Mar 22 to 26, 2027 |
| Year 4 | N/A |

1.14.5 Examination and Test Dates

| | |
|------------------------|--------------------|
| Year 1 | |
| Fall Term Exams..... | Dec 14 to 23, 2026 |
| Winter Term Exams..... | Apr 13 to 23, 2027 |
| Year 2 | |
| Fall Term Exams..... | Dec 8 to 18, 2026 |
| Winter Term Exams..... | May 10 to 21, 2027 |
| Year 3 | |
| Fall Term Exams..... | Dec 15 to 23, 2026 |
| Winter Term Exams..... | Apr 13 to 23, 2027 |
| Year 4 | N/A |

1.15 Dates applicable to Physical Therapy:

| | |
|---------------------------|-----|
| 1.15.1 Orientation | N/A |
|---------------------------|-----|

1.15.2 Start and End Dates

| | |
|--|-------------------------|
| Year 1 | |
| Fall Term Classes..... | Aug 4 to Dec 18, 2026 |
| Winter Term Classes..... | Jan 5 to Apr 2, 2027 |
| Spring/Summer Asynch. Classes and Clinical Placement (12 weeks)... | Apr 5 to July 30, 2027 |
| Year 2 | |
| Fall Term Classes..... | Aug 4 to Sept 25, 2026 |
| Clinical Placement..... | Sept 28 to Dec 18, 2026 |
| Winter Term Classes..... | Jan 5 to Mar 26, 2027 |
| Spring/Summer Clinical Placements (12 weeks)..... | Apr 5 to Aug 6, 2027 |

1.15.3 Registration and Withdrawal Dates

Last Date to drop without Penalty

Year

Fall Term and Fall/Winter Term Classes.....Aug 25, 2026
Winter Term.....Jan 19, 2027

Year 2

Fall Term and Fall/Winter Term Classes.....Aug 25, 2026
Winter Term.....Jan 19, 2027

Voluntary Withdrawal Deadline

Year 1

Fall Term and Fall/Winter Term Classes.....Nov 17, 2026
Winter Term.....Mar 16, 2027
Fall/Winter Term Classes.....Jan 19, 2027

Year 2

Fall Term and Fall/Winter Term Classes.....Sept 15, 2026
Winter Term.....Mar 9, 2027
Fall/Winter Term Classes.....Jan 19, 2027

1.15.4 Term Breaks

The academic and administrative offices will be open during this period, but there will be no classes/examinations held for students.

Year 1

N/A

Year 2

Fall Term Break.....N/A
Winter Term Break.....Mar 29 to Apr 2, 2027

**Note: Some students may need to complete clinical placements during the mid-term break depending on availability of clinical sites.*

1.16 Dates applicable to Physician Assistant Studies

1.16.1 Orientation

Clinical Year.....Aug 17 to 21, 2026
Academic Year.....Aug 24 to 31, 2026

1.16.2 Start and End Dates

Fall Term.....Sept 1 to Dec 4, 2026
Winter Term.....Jan 5 to Apr 2, 2027
Clinical Year – Term 1.....Aug 24 to Dec 18, 2026
Clinical Year – Term 2.....Jan 4 to Apr 25, 2027

1.16.3 Registration and Withdrawal Dates

Last Date to drop without Penalty

Fall Term and Fall/Winter Term Classes.....Sept 15, 2026
Winter Term.....Jan 19, 2027

Voluntary Withdrawal Deadline

| | |
|-------------------------------|--------------|
| Fall Term..... | Nov 17, 2026 |
| Winter Term..... | Mar 9, 2027 |
| Fall/Winter Term Classes..... | Jan 19, 2027 |

1.16.4 Term Breaks

The academic and administrative offices will be open during this period, but there will be no classes/examinations held for students.

| | |
|------------------------|-------------------|
| Fall Term Break..... | N/A |
| Winter Term Break..... | See section 1.2.5 |

1.16.5 Examination and Test Dates

| | |
|------------------------|-------------------|
| Fall Term Exams..... | Dec 7 to 18, 2026 |
| Winter Term Exams..... | Apr 5 to 16, 2027 |

1.17 Dates applicable to Respiratory Therapy:

1.17.1 Orientation

| | |
|--------------------|--------------|
| Year 1, 2 & 3..... | Sept 2, 2026 |
|--------------------|--------------|

1.17.2 Start and End Dates

(Includes clinical placement and classes)

Year 1

| | |
|------------------|------------------------|
| Fall Term..... | Sept 2 to Dec 18, 2026 |
| Winter Term..... | Jan 5 to Apr 23, 2027 |

Year 2

| | |
|------------------|------------------------|
| Fall Term..... | Sept 8 to Dec 18, 2026 |
| Winter Term..... | Jan 4 to May 28, 2027 |

Year 3

| | |
|--------------------------------|------------------------|
| Fall Term..... | Sept 2 to Dec 18, 2026 |
| Fall Clinical Rotations..... | Starts Sept 8, 2026 |
| Winter Term..... | Jan 4 to June 4, 2027 |
| Winter Clinical Rotations..... | Starts Jan 4, 2027 |

1.17.3 Registration and Withdrawal Dates

Last Date to drop without Penalty

Year 1

| | |
|---|---------------|
| Fall Term and Fall/Winter Term Classes..... | Sept 16, 2026 |
| Winter Term..... | Jan 19, 2027 |

Year 2

| | |
|---|---------------|
| Fall Term and Fall/Winter Term Classes..... | Sept 22, 2026 |
| Winter Term..... | Jan 25, 2027 |

Year 3

Fall Term and Fall/Winter Term Classes.....Sept 16, 2026
Winter Term.....Jan 25, 2027

Voluntary Withdrawal Deadline

Year 1

Fall Term.....Nov 18, 2026
Winter Term.....Mar 23, 2027
Fall/Winter Term Classes.....Jan 19, 2027

Year 2

Fall Term.....Nov 24, 2026
Winter Term.....Apr 19, 2027
Fall/Winter Term Classes.....Jan 25, 2027

Year 3.....See course syllabus

1.17.4 Term Breaks

The academic and administrative offices will be open during this period, but there will be no classes/examinations held for students.

Year 1 & 2

Fall Term Break.....See section 1.2.5
Winter Term Break.....See section 1.2.5

Year 3

Fall Term Break.....N/A
Winter Term Break.....N/A

1.17.5 Examination and Test Dates

Fall Term Exams.....Dec 7 to 18, 2026
Winter Term Exams.....Apr 12 to 24, 2027*

**RESP 2390 is not included in Exam Week.*

1.18 Dates applicable to Social Work:

1.18.1 Orientation

Fort Garry, Inner City Field Instruction Orientation.....Sept 8, 2026 (morning)
MSW-Indigenous Knowledge.....May 20, 2026 (afternoon)

1.18.2 Start and End Dates

Field Instruction*

Fall Term.....Sept 9 to Dec 18, 2026
Winter Term.....Jan 7 to Apr 16, 2027
MSW-Indigenous Knowledge.....starts Aug 17, 2026 with a one-week intensive

Section 2: Dates for Summer Term

2.1 Start and End Dates (generally Monday to Thursday classes)

Classes on Monday, May 24th will be made up on Friday, May 28th

Classes on Monday, August 2nd will be made up on Friday, August 6th

May – August courses will have no classes scheduled Monday, June 21st to Friday, July 2nd.

| | | |
|-----------------------------|---------------------------|--------------------------|
| May – June..... | May 10 to June 18, 2027 | 6 hours instruction/week |
| July – August..... | July 5 to August 13, 2027 | 6 hours instruction/week |
| May – August 3 credits..... | May 10 to August 13, 2027 | 3 hours instruction/week |
| May – August 6 credits..... | May 10 to August 13, 2027 | 6 hours instruction/week |

2.2 Registration and Withdrawal Dates

Regular Registration Period

Registration start dates are to be determined by the Registrar's Office.

May – June Ends May 9, 2027

July – August Ends July 4, 2027

May – August 3 credits..... Ends May 9, 2027

May – August 6 credits..... Ends May 9, 2027

Late Registration/Registration Revision Period

Students may use this period of time to make changes to their selected courses or class schedule.

May – June May 10 to May 13, 2027

July – August..... July 5 to July 8, 2027

May – August 3 credits May 10 to May 20, 2027

May – August 6 credits May 10 to May 13, 2027

Last Date to Drop without Penalty

Last date to drop and have course excluded from transcripts; VWs will be recorded on transcripts for courses dropped after this date. There will be no refunds for courses dropped after this date.

May – June May 13, 2027

July – August..... July 8, 2027

May – August 3 credits May 20, 2027

May – August 6 credits May 13, 2027

Voluntary Withdrawal (VW) deadline

Last date to withdraw and not receive a final grade; students cannot withdraw from courses after this date.

- May – June June 8, 2027
- July – August..... August 4, 2027
- May – August 3 creditsJuly 22, 2027
- May – August 6 creditsJuly 22, 2027

2.3 Fee Deadlines

Fee Payment Deadlines

- May – June..... May 26, 2027
- May – August 3 credits May 26, 2027
- May – August 6 credits May 26, 2027
- July – August.....July 14, 2027

A financial penalty will be assessed on accounts with an outstanding balance after this date. (determined by Financial Services)

2.4 Examination and Test Dates

Students are reminded that they must remain available until all examination and test obligations have been fulfilled.

- Winter/Summer Term Spanning distance and online courses.....July 9 to 10, 2027
- May – June June 21 to 25, 2027
- July – August..... Aug 16 to 20, 2027
- May – August 3 creditsAug 16 to 20, 2027
- May – August 6 creditsAug 16 to 20, 2027

2.5 Challenge for Credit

Challenge for Credit application deadline
For classes offered Summer Term 2027... Apr 23, 2027

2.6 Other Summer Term Start and End Dates

Applied Human Nutrition

Summer Term Apr 12 to July 16, 2027

Dentistry

IDDP Intersession May 3 to June 25, 2027 (tentative)

Medicine

Med 3 (Special Summer Offerings) May 10 to Aug 27, 2027

Med 3 (Summer Break) Aug 2 to Aug 13, 2027

Midwifery

MDFY 2090.....May 3 to Aug 6, 2027

MDFY 3030.....May 1 to June 13, 2027

MDFY 3032.....June 14 to July 23, 2027

Music

MUSC 3200, 3210, 4212.....July 5 to 16, 2027

MUSC 3360.....TBD

Nursing

***Note: Some students may need to complete preparatory activities or clinical orientation prior to the start of term.**

Term 5 classes may start earlier than regular academic schedule, please check Aurora for dates.

Orientation.....Apr 20 & 21, 2027

Start and End Dates.....May 10 to Aug 13, 2027

Regular Registration Period.....ends May 9, 2027

Registration Revision Period.....May 10 to 25, 2027

Last Date to Drop without Penalty.....May 21, 2027

Last Date to Register/Registration Revision Deadline.....May 25, 2027

Voluntary Withdrawal Deadline.....July 23, 2027

Term Break.....June 21 to 25, 2027

Final Exam Period.....Aug 16 to 20, 2027

Occupational Therapy

Year 1 Intermediate Fieldwork 1.....May 3 to June 25, 2027

Flexible start and end dates between

Year 2 Advanced Fieldwork.....June 28 to Sep 17, 2027

Pharmacy

Year 4 (starts in 2026)

Block 1 APPE Rotations.....May 4 to June 26, 2026

Block 1 Research Course BlockMay 4 to 29, 2026

Block 2 APPE Rotations.....June 29 to Aug 21, 2026

Block 2 Research Course BlockJuly 27 to Aug 21, 2026

Year 2 IPPE Hospital Rotation (1 block per student)

- Block 1 May 31 to June 25, 2027
- Block 2 June 28 to July 23, 2027
- Block 3 July 26 to Aug 20, 2027

Year 4 (starts in 2027)

- Block 1 APPE Rotations..... May 3 to June 25, 2027
- Block 1 Research Course Block May 3 to 28, 2027
- Block 2 APPE Rotations..... June 28 to Aug 20, 2027
- Block 2 Research Course Block July 26 to Aug 20, 2027

Physician Assistant Studies

- Start and End Date..... Apr 26 to July 16, 2027
- Exams July 19 to 30, 2027
- Clinical Year – Term 3 Apr 26 to Aug 18, 2027

Respiratory Therapy

Year 2

- RESP 2390..... Apr 26 to May 28, 2027
- Clinical Rotations..... June 1 to 26, 2027

Science

May offer fieldtrip courses that have different dates

Social Work

- Summer Field Work. May 10 to Aug 20, 2026



**University
of Manitoba**

Office of the Registrar and
Enrolment Services

400 University Centre
Winnipeg, Manitoba
Canada R3T 2N2
T: 204-474-8820
F: 204-474-7554

TO: Jeff Leclerc, University Secretary

FROM: Jeff Adams, University Registrar and Executive Director, Enrolment Services

DATE: September 26, 2025

SUBJECT: Revisions to the 2025-26 Academic Schedule – College of Nursing

The Bachelor of Nursing program operates on three structured terms and there is a need to be transparent with the various academic dates in all three terms. The fall and winter term have well-defined dates; however, we do not have clear published dates for the summer term. The dates below should be added to the 2025-26 and all future academic schedules. The dates are calculated using the same methodology as the fall and winter terms to ensure consistency across all three terms.

- Term Dates: May 4 – August 7, 2026
- Regular Registration Period Ends: May 3, 2026
- Registration Revision Period: May 4–18, 2026
- Last Date to Drop without Penalty: May 15, 2026
- Last Date to Register/Revision Deadline: May 18, 2026
- Voluntary Withdrawal Deadline: July 17, 2026
- Term Break: June 15–19, 2026
- Examinations: August 10–14, 2026

[Comments of the Senate Executive Committee:](#)

[The Senate Executive Committee endorses the Report to Senate.](#)

CC:
Laurie Schnarr, Vice-Provost (Students)
Shannon Coyston, Associate University Secretary (Senate)

Report of the Executive Committee of the Faculty of Graduate & Postdoctoral Studies on Course and Curriculum Changes

Preamble

1. The Faculty of Graduate & Postdoctoral Studies (FGPS) has responsibility for all matters relating to the submission of graduate course, curriculum, program and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. In October 2007, the Faculty of Graduate & Postdoctoral Studies approved a process of *Streamlining Course Introductions, Modifications, & Deletions* which allows the Executive Committee to approve these changes in lieu of Faculty Council when the courses are not associated with a new program proposal.
3. The Faculty of Graduate & Postdoctoral Studies Executive Committee met on the above date to consider a proposal from the College of Community & Global Health.

Observations

1. The **College of Community & Global Health** proposes (1) Course Modification: CHSC 8600. The reason for the modification is to remove the pre-requisites of the course (namely, CHSC 7810 or CHSC 7820 or CHSC 7738 AND CHSC 7860; instructor permission required for students outside the Community Health Sciences Ph.D.) and replace them with a registration restriction whereby the course will be restricted to Community Health Sciences PhD students only. This change responds to student feedback.

CHS PhD students are encouraged to take CHSC 8600 in their first year. However, those without an MSc in CHS often lack the prerequisites and take the course in their second year. As the course has evolved, the prerequisites are no longer necessary. Also given that enrolment will now be restricted to CHS PhD students, this will ensure PhD students take the course early in their program of study.

Course Modification

CHSC 8600 Senior Seminar in Community Health Sciences

3

This course is an advanced seminar designed to examine various aspects of health research and health. The emphasis in the course will be on: interrogating assumptions that underlie what research is conducted and how it is conducted; including a diversity of experiences and perspectives in research; and critically appraising the quality of research. This is an advanced course intended for Ph.D. students.

NET CREDIT HOUR CHANGE

0

Recommendations

The Executive Committee recommends THAT: the course change(s) from the unit listed below be approved by Senate:

College of Community & Global Health

Comments of the Senate Executive Committee:

Respectfully submitted,

The Senate Executive Committee endorses the Report to Senate.

Dr. Kelley Main, Chair

Faculty of Graduate & Postdoctoral Studies Executive Committee

Report of the Executive Committee of the Faculty of Graduate & Postdoctoral Studies on Course and Curriculum Changes

Preamble

1. The Faculty of Graduate & Postdoctoral Studies (FGPS) has responsibility for all matters relating to the submission of graduate course, curriculum, program and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. In October 2007, the Faculty of Graduate & Postdoctoral Studies approved a process of *Streamlining Course Introductions, Modifications, & Deletions* which allows the Executive Committee to approve these changes in lieu of Faculty Council when the courses are not associated with a new program proposal.
3. The Faculty of Graduate & Postdoctoral Studies Executive Committee met on the above date to consider a proposal from Disability Studies.

Observations

1. **Disability Studies** proposes (1) Course Modification: DS 7040. The reason for the modification is to clarify that students may complete DS 7040 multiple times provided that the subject matter is different. The statement “This course can be taken more than once so long as the course subtitle differs” has been added to the course description. The modification is made in response to the recent program review that triggered extensive changes to the Interdisciplinary Master’s Program in Disability Studies. This course is essential in the thesis-based and newly proposed coursework routes of both the M.A. and M.Sc. in Disability Studies.

Course Modification

DS 7040 Selected Topics in Disability Studies

3

One key theme will be chosen for each year from the interests and availability of faculty. Topics could include women with disabilities, international dimensions of disability, disability policy and practice, disability organizing and other topics developed over time. This course can be taken more than once so long as the course subtitle differs. Pre- or co-requisite: DS 7010 (C+).

Recommendations

The Executive Committee recommends THAT: the course change(s) from the unit listed below be approved by Senate:

Disability Studies

Respectfully submitted,

Dr. Kelley Main, Chair
Faculty of Graduate & Postdoctoral Studies Executive Committee

Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the Report to Senate.

Report of the Executive Committee of the Faculty of Graduate & Postdoctoral Studies on Course and Curriculum Changes

Preamble

1. The Faculty of Graduate & Postdoctoral Studies (FGPS) has responsibility for all matters relating to the submission of graduate course, curriculum, program and regulation changes. Recommendations for such are submitted by the Faculty Council of Graduate Studies for the approval of Senate.
2. In October 2007, the Faculty of Graduate & Postdoctoral Studies approved a process of *Streamlining Course Introductions, Modifications, & Deletions* which allows the Executive Committee to approve these changes in lieu of Faculty Council when the courses are not associated with a new program proposal.
3. The Faculty of Graduate & Postdoctoral Studies Executive Committee met on the above date to consider a proposal from the College of Pharmacy.

Observations

1. The **College of Pharmacy** proposes (1) Course Introduction: PHRM 7190. A course on professional development does not exist for PhD students at the University of Manitoba. This elective course will address a growing need for professional development and career readiness support among doctoral students in Pharmacy and related health sciences programs. The course will enable the learner to explore their career options after graduation in the academic, public, and private health-related sectors; develop transferrable skills relevant to multiple career paths; acquire knowledge about the standards and expectations surrounding the job search and job application processes; and identify important elements of professionalism. The creation of this course is in response to student feedback and evolving professional needs.

Course Introduction

PHRM 7190 Graduate Professional Development - PhD

+1.5

Lectures and interactive activities on selected topics in graduate professional development relevant to career paths in the health sciences. Students from programs other than Pharmacy must obtain permission to register from the course coordinator.

NET CREDIT HOUR CHANGE

+1.5

Recommendations

The Executive Committee recommends THAT: the course change(s) from the unit listed below be approved by Senate:

College of Pharmacy

Respectfully submitted,

Dr. Kelley Main, Chair
Faculty of Graduate & Postdoctoral Studies Executive Committee

Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the Report to Senate.

Report of the Senate Committee on Rules and Procedures Regarding Revisions to the *Senate Committee on University Research Terms of Reference*

Preamble

1. The terms of reference of the Senate Committee on Rules and Procedures (SCRP) are found on the University Governance website wherein the Committee is charged with the responsibility to consider and to make recommendations to Senate on any matter concerning rules and procedures.
2. At its meeting on October 3, 2025, the Senate Committee on Rules and Procedures discussed proposed revisions to the Terms of Reference for the Senate Committee on University Research.

Observations

1. The proposed revisions to the Terms of Reference concern the membership of the Senate Committee on University Research (the Committee). The Committee approved a motion to revise the Terms of Reference at its meeting on May 29, 2025.
2. The Terms of Reference propose the replacement of the Research Grants Officer with the Strategic Advisor to the Office of the Vice-President (Research and International).
3. The Strategic Advisor supports strategic research planning and the development of policies and procedures, which are the focus of the Committee.
4. The participation of the Research Grants Officer is no longer essential, as the discussions and mandate of the Committee do not align directly with the work of the Research Grants Office.
5. The position would remain an *ex-officio*, non-voting position on the Committee.
6. Additional editorial revisions have been made by the Committee to update the position title of the Dean of Graduate and Postdoctoral Studies and the name of the Graduate and Postdoctoral Society.

Recommendation:

The Senate Committee on Rules and Procedures recommends:

THAT Senate approve the revisions to the Terms of Reference for the Senate Committee on University Research, effective upon approval.

Respectfully submitted,

Dean Reg Urbanowski, Chair
Senate Committee on Rules and Procedures

[Comments of the Senate Executive Committee:](#)

[The Senate Executive Committee endorses the Report to Senate.](#)



SENATE COMMITTEE ON UNIVERSITY RESEARCH

Terms of Reference:

1. To provide advice and recommendations to Senate and the University Administration on all matters related to research at the University including:
 - a. policies concerning research development and administration, reviewing such policies regularly and recommending revisions as appropriate;
 - b. policies and issues related to ethics in the conduct of research, scholarly and artistic work;
 - c. mechanisms for promoting the research mission of the University and recognizing research excellence;
 - d. strategies for enhancing research performance and competitiveness;
 - e. any other research-related matters which may arise from time to time or which may be referred to the Senate Committee on University Research by Senate or the University Administration;
2. To consider proposals to establish research centres/institutes for recommendation to Senate and conduct periodic reviews of these centres/institutes, reporting to Senate as appropriate;
3. To consider, on behalf of the Senate and the University Administration, major reports of granting bodies affecting University research, responding where required;
4. To act as a forum for the discussion of development, promotion and administration of University research, recommending to Senate and the University Administration as appropriate;
5. To receive annual reports on the implementation and operations of human and animal research ethics;
6. Subject only to subsequent report to Senate, to appoint and oversee the operation of any standing sub-committees (standing sub-committees shall report to SCUR annually and recommend to SCUR changes in policies related to their specific mandate);
7. To appoint and monitor ad hoc committees as are deemed necessary to carry out the mandate of the Committee;
8. To serve as a liaison with other research-related bodies and committees (e.g. Faculty of Graduate Studies, the Human Ethics Resource Committee, the Senate Committee on Libraries, the Senate Committee on Academic Computing);
9. To appoint members of the Research Grants Committee, subject to the terms of reference of this Committee, and to receive and consider reports from the Research Grants Committee; and
10. To report at least annually to Senate.

Composition:

1. Vice-President (Research and International) (*ex-officio*), as Chair
2. President (*ex-officio*)
3. Provost and Vice-President (Academic) (*ex-officio*)
4. Associate Vice-President (Research) and Associate Vice-President (Partnerships) (*ex-officio*)
5. ~~Vice-Provost (Graduate Education) and~~ Dean, Faculty of Graduate and Postdoctoral Studies (*ex-officio*)
6. Strategic Advisor to the Vice-President (Research and International) ~~Research Grants Officer~~ (*ex-officio*, non-voting)
7. Four Deans or Directors representing a range of research activities in the University, elected by Senate to serve three-year terms
8. Eight faculty members actively engaged in research and representing a range of research activities in the University, at least two of whom are from the Bannatyne Campus, elected by but not necessarily from Senate to serve three-year terms
9. Two graduate students selected by the Graduate and Postdoctoral Society ~~Students' Association~~ to serve two-year terms

REPORT OF THE SENATE COMMITTEE ON AWARDS

Preamble

Terms of reference for the Senate Committee on Awards include the following responsibilities:

On behalf of the Senate, approve and inform the Senate of all new offers and revised offers of awards that comply with the Student Awards Policy.

Observations

At its meeting on September 22, 2025, the Senate Committee on Awards approved 7 new offers, 3 revised offers and 2 withdrawals as set out in the Report of the Senate Committee on Awards (September 22, 2025).

Recommendations

On behalf of the Senate, the Senate Committee on Awards recommends that the Board of Governors approve 7 new offers, 3 revised offers, and 2 withdrawals as set out in the Report of the Senate Committee on Awards (September 22, 2025). These award decisions comply with the Student Awards Policy.

Respectfully submitted,

Dr Ayush Kumar

Chair, Senate Committee on Awards

SENATE COMMITTEE ON AWARDS

September 22, 2025

1. NEW OFFERS

Barry Wolk Bursary for Excellence in Mathematics

In memory of Barry Wolk, Ian Shaffer (B.Sc. [Med], M.D./ '68) and Reeva Shaffer (B.A./ '66) established an annual bursary at the University of Manitoba in 2026. The Jewish Foundation of Manitoba, which holds the capital of \$50,000 used to generate the annual income for this bursary, will confirm the value with the Financial Aid and Awards Office at the University of Manitoba on an annual basis. The purpose of the fund is to provide financial support to an undergraduate student in any degree in the Department of Mathematics. Each year, beginning in the 2026-2027 academic year, the available annual income from the fund will be used to offer one bursary to an undergraduate student who:

- (1) is enrolled full-time (minimum 60% course load) in the second year of study in any program in the Department of Mathematics in the Faculty of Science;
- (2) has achieved a minimum degree grade point average of 2.0; and
- (3) has demonstrated financial need on the standard University of Manitoba general bursary application form.

The Dean of the Faculty of Science (or designate) will name the selection committee for this award.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

City Planning Student Scholarship

The University of Manitoba Association of Planning Students established an endowment fund at the University of Manitoba in 2009. The purpose of the fund is to reward the academic achievements of graduate students in the Department of City Planning in the Faculty of Architecture. Each year, beginning in 2025-2026, the available annual income from the fund will be used to offer one or more scholarships to graduate students who:

- (1) are enrolled full-time in the Faculty of Graduate and Postdoctoral Studies in any year of study in any master's or doctoral program offered through the Department of City Planning;

- (2) have achieved a minimum grade point average of 3.5 based on the last 60 credit hours (or equivalent) of study; and
- (3) have demonstrated outstanding contribution to the Department of City Planning through participation in community events, professional events or extra-curricular activities related to the Department of City Planning or Faculty of Architecture.

In order to demonstrate how they meet criterion (3), applicants must submit a written statement (500 words maximum) describing their contribution to the Department of City Planning and/or Faculty of Architecture.

The selection committee has the discretion to determine the number and value of awards offered each year based on the available funds, as outlined in the criteria above.

The Dean of the Faculty of Graduate and Postdoctoral Studies (or designate) will ask the Head of the Department of City Planning (or designate) to name the selection committee for this award which will include one academic staff member from the Department of City Planning.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Dr. Bhamini Balachandra Awards for Clinical Excellence in Psychiatry

Dr. Bhamini Balachandra established an endowment fund at the University of Manitoba with an initial gift of \$100,000 in 2025. The purpose of the fund is to reward the academic achievements of students in the Department of Psychiatry. Each year, beginning in the 2026-2027 academic year, the available annual income will be used to offer four scholarships to eligible residents.

Dr. Bhamini Balachandra First-Year PGME Scholarships for Psychiatry Residents

Each year, beginning in the 2026-2027 academic year, 50% of the available annual income will be used to offer two scholarships to resident students who:

- (1) have been accepted to Post-Graduate Medical studies in the Psychiatry Residency program at the University of Manitoba for the next academic session;
- (2) have met the degree requirements of the Undergraduate Medical Education (UGME) program at the University of Manitoba;
- (3) are in good standing; and
- (4) have completed at least one of the electives offered in Psychiatry within their UGME degree.

Dr. Bhamini Balachandra Resident of the Year Scholarship for Clinical Excellence

Each year, beginning in the 2026-2027 academic year, 25% of the available annual income will be used to offer one scholarship to a resident student who:

- (1) is registered in full-time study in the Post-Graduate Medical program in the Psychiatry Residency program offered by the Department of Psychiatry;
- (2) is in good standing; and
- (3) has demonstrated outstanding clinical excellence.

Dr. Bhamini Balachandra Scholarship for Clinical Excellence in Psychosis for Residents

Each year, beginning in the 2026-2027 academic year, 25% of the available annual income will be used to offer one scholarship to a resident student who:

- (1) is registered in full-time study in the Post-Graduate Medical program in the Psychiatry Residency program offered by the Department of Psychiatry;
- (2) is in good standing; and
- (3) has demonstrated outstanding clinical excellence in psychosis.

The Dean of the Max Rady College of Medicine (or designate) will ask the Associate Dean of the Postgraduate Medical Education program (or designate) to name the selection committee for these awards.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Dr. Thambirajah Balachandra Awards for Excellence in Pathology

Dr. Thambirajah Balachandra established an endowment fund for the Department of Pathology at the University of Manitoba with an initial gift of \$100,000 in 2025. The purpose of the fund is to reward the academic achievements of Postgraduate Medical Education students in the Department of Pathology.

Dr. Thambirajah Balachandra and Dr. Norman Pettigrew Prize in Pathology

Each year, beginning in the 2026-2027 academic year, 50% of the available annual income will be used to offer two prizes of equal value to resident students who:

- (1) are enrolled full-time in Postgraduate Medical Education in any residency offered by the Department of Pathology at the University of Manitoba in the year in which the prize was tenable;

- (2) are in good standing; and
- (3) are accepted to present as first-author of a research paper at a major Canadian, US or International approved pathology scientific meeting or conference.

In order to demonstrate how they meet criterion (3), candidates must provide an abstract and meeting agenda for a scientific meeting and/or a letter of acceptance to present at the scientific meeting or conference.

The Dean of the Max Rady College of Medicine (or designate) will ask the Associate Dean of the Postgraduate Medical Education program (or designate) to name the selection committee for the award which will include the Department Head of the Department of Pathology (or designate).

Dr. Thambirajah Balachandra and Dr. Peter Markesteyn Scholarship in Pathology

Each year, beginning in the 2026-2027 academic year, 50% of the available annual income will be used to offer one scholarship to a resident student who:

- (1) is enrolled full-time in Postgraduate Medical Education in any residency offered by the Department of Pathology at the University of Manitoba;
- (2) is in good standing; and
- (3) are accepted to present a forensic research paper as first-author at a major Canadian, US or International approved pathology scientific meeting or conference.

In order to demonstrate how they meet criterion (3), candidates must provide an abstract and meeting agenda for a scientific meeting and/or a letter of acceptance to present at the scientific meeting or conference.

The Dean of the Max Rady College of Medicine (or designate) will ask the Associate Dean of the Postgraduate Medical Education program (or designate) to name the selection committee for the award, which will include the Department Head of the Department of Pathology (or designate).

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Excellence in Undergraduate Medical Student Research Scholarship

The Max Rady College of Medicine and 12 departments in medical research came together to contribute a total of \$100,000 to establish an endowment fund in 2025 at the University of Manitoba. The purpose of the fund is to recognize outstanding undergraduate research in both clinical medicine and the basic sciences within the Max

Rady College of Medicine, focusing on final reports, oral presentations, and research merit. These awards celebrate excellence in clinical and basic science research in the Bachelor of Science in Medicine (B.Sc. [Med.]) and the Summer Research Program.

Each year, beginning in 2026-2027, the available annual income will be used to offer one or more scholarships to undergraduate students who:

- (1) are enrolled full-time in the Bachelor of Science in Medicine program in the Max Rady College of Medicine;
- (2) are in good standing; and
- (3) have completed a research project with excellence in the final report, oral presentation and research.

The selection committee will choose recipients based on the final report, oral presentation and the research merit during their summer research term(s) to determine the most qualified recipients.

The award recipients' names for the Excellence in Undergraduate Medical Student Research Scholarship will be presented annually at the Joe Doupe Symposium.

The selection committee for this award will be the Undergraduate Medical Student Research Program Awards Committee.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Molly & Saul Shaffer Bursary for Excellence in Medicine

In memory of Molly and Saul Shaffer, Dr. Ian Shaffer (B.Sc. {Med}, M.D./ '68) and Reeva Shaffer (B.A./ '66) established an annual bursary at the University of Manitoba in 2026. The Jewish Foundation of Manitoba, which holds the capital of \$25,000 used to generate the annual income for this bursary, will confirm the value with the Financial Aid and Awards Office at the University of Manitoba on an annual basis. The purpose of the fund is to provide financial support to an undergraduate student in the UGME program in the Max Rady College of Medicine. Each year, beginning in the 2026-2027 academic year, the available annual income from the fund will be used to offer one bursary to an undergraduate student who:

- (1) is enrolled full-time in the Undergraduate Medical Education program in the Max Rady College of Medicine at the University of Manitoba;
- (2) is in good standing; and
- (3) has demonstrated financial need on the standard University of Manitoba general bursary application form.

The Dean of the College of Medicine (or designate) will ask the Vice Dean of Education, Rady Faculty of Health Sciences (or designate) to name the selection committee for this award.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

PIISA TEMPLATE TORs

BURSARY NAME

Elsie Fryer Millerd Bursary in memory of her parents, Leonard and Johanna Fryer

BACKGROUND

My grandparents, Charles and Elsie Fryer, and parents, Leonard and Johanna Fryer, lived and worked with Indigenous people in Manitoba. I was born in Norway House, Manitoba, where my family was warmly included as "relatives" of the people there. When I was six years old, we left Norway House. I vowed then to become a nurse and return to work in a northern nursing station. That never happened but I carried in my heart the desire to be part of an Indigenous community. For this reason, I would like to contribute to the educational goals of Indigenous nurses so that they can care for and support the health of their people.

INTENT AND VALUE

To provide financial support to one undergraduate student based on the available annual income.

YEAR OF STUDY

- Student enrolled in any year of study

RENEWABLE AWARD

This award is renewable for 2 years (based on financial need and minimum degree grade point average).

RECIPIENT CRITERIA

Student who has self-declared as one of the following:

- Student who has self-declared as Indigenous.

CITIZENSHIP

Student must be a Canadian citizen and permanent Manitoba resident.

FACULTY, DEPARTMENT, PROGRAM NAME

- College of Nursing, Nursing, Nursing-Regular BN

MINIMUM GPA

If a continuing undergraduate student, has achieved a minimum degree grade point average (DGPA) of 2.0, or

If a new undergraduate student, has been successfully admitted or

If a student in medicine, is in good standing.

MINIMUM CREDIT HOURS

Minimum 60 % course load (18 credit hours)

FINANCIAL NEED

Demonstrated financial need on the standard University of Manitoba bursary application form.

SELECTION COMMITTEE

The Dean (or designate) will name the selection committee for an award that is specific to a faculty. The Associate Registrar and Director of Financial Aid & Awards (or designate) will name the selection committee for a university wide award. Donors may not be selected as members of the selection committee.

BOARD OF GOVERNORS AUTHORITY

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate) and providing reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

UM POLICY ALIGNMENT

All Terms of Reference must adhere to the University of Manitoba Student Awards Policy.

2. AMENDMENTS

Engineering Class of 1946 Scholarships

The following amendments were made to the terms of reference for the Engineering Class of 1946 Scholarships:

Award #20724

The preamble was revised to:

The Engineering Class of 1946 established a trust fund at the University of Manitoba in 1990 to support four scholarships, award numbers 20724, 24119 and 44667. The Manitoba Scholarship and Bursary Initiative has made a contribution to this fund. The purpose of the fund is to reward the academic achievements of students in the Price Faculty of Engineering. Each year, 20% of the available annual income from the fund,

plus 20% of the unspent income, may be used to offer two scholarships of equal value to undergraduate students who:

The numbered criteria were revised to:

- (1) are enrolled full-time (minimum 80% course load) in the second year of study in the Bachelor of Science in Civil, Electrical, or Computer Engineering programs in the Price Faculty of Engineering; and
- (2) have achieved a minimum degree grade point average of 3.5.

The paragraph following the numbered criteria was revised to:

Each year, one scholarship will be awarded to an undergraduate student in the Civil Engineering degree program and one scholarship will be awarded to an undergraduate student in either the Electrical or Computer Engineering degree program.

The selection committee paragraph was revised to:

The selection committee will be the Undergraduate Awards Committee in the Price Faculty of Engineering.

The standard Board of Governors statement was added.

Award #24119

The title was updated to:

Engineering Class of 1946 Fiftieth Anniversary Award

The preamble was revised to:

The Engineering Class of 1946 established a trust fund at the University of Manitoba in 1990 to support four scholarships, award numbers 20724, 24119 and 44667. The Manitoba Scholarship and Bursary Initiative has made a contribution to this fund. The purpose of the fund is to reward the academic achievements of students in the Price Faculty of Engineering. Each year, 10% of the available annual income from the fund, plus 10% of the unspent income, may be used to offer one scholarship to an undergraduate student who:

The numbered criteria were revised to:

- (1) by self-declaration is a woman;
- (2) is enrolled full-time (minimum 80% course load) in the second year of study in the Bachelor of Science in Civil, Electrical or Computer Engineering programs in the Price Faculty of Engineering; and
- (3) has achieved the highest degree grade point average among those students who are entering the second year of study in the Bachelor of Science in Civil, Electrical or Computer Engineering degree programs.

The selection committee paragraph was revised to:

The selection committee will be the Undergraduate Awards Committee in the Price Faculty of Engineering.

The standard Board of Governors statement was added.

Award #44667

The title was updated to:

Engineering Class of 1946 Graduate Scholarship

The preamble was revised to:

The Engineering Class of 1946 established a trust fund at the University of Manitoba in 1990 to support four scholarships, award numbers 20724, 24119 and 44667. The Manitoba Scholarship and Bursary Initiative has made a contribution to this fund. The purpose of the fund is to reward the academic achievements of students in the Price Faculty of Engineering. Each year, 70% of the available annual income from the fund, plus 70% of the unspent income, may be used to offer one scholarship to a graduate student who:

The numbered criteria were revised to:

- (1) is enrolled full-time in the Faculty of Graduate Studies in the first year of either the Master of Science in Electrical Engineering or the Master of Science in Civil Engineering programs offered through the Price Faculty of Engineering;
- (2) has achieved the highest grade point average based on the last 60 credit hours (or equivalent) of study among the students entering either the Master of Science in Electrical Engineering or the Master of Science in Civil Engineering programs; and
- (3) shows evidence of leadership qualities and personal initiative demonstrated by holding office, receiving awards, or making recognized contributions in extra-curricular activities.

The paragraph following the numbered criteria was revised to:

In order to demonstrate how they meet criterion (3), applicants must submit a written statement (maximum 500 words) to the Price Faculty of Engineering.

The selection committee paragraph was revised to:

The Dean of the Faculty of Graduate Studies (or designate) will ask the Chair of the Graduate Awards Committee of the Price Faculty of Engineering to name the selection committee for this award.

The standard Board of Governors statement was added.

Lynne and Dorothy Windsor Scholarship in Engineering

The following amendments were made to the terms of reference for the Lynne and Dorothy Windsor Scholarship in Engineering:

The preamble was revised to:

Mr. Lynne Windsor established an endowment fund at the University of Manitoba in 1965. The original fund supported both the Lynn and Dorothy Windsor Scholarship in Engineering, award #24552, and the Kathy Windsor Memorial Scholarship, award #23535. The fund has since been divided into two separate endowment funds. The purpose of the fund is to reward the academic achievements of undergraduate students

in the Price Faculty of Engineering. *Each year, the available annual income from the fund plus any unspent income may be used to offer one or more scholarships to undergraduate students who:*

The numbered criteria were revised to:

- (1) are enrolled full-time (minimum 80% course load) in the Price Faculty of Engineering either in the Bachelor of Science in Electrical Engineering or in the Bachelor of Science in Mechanical Engineering;
- (2) have achieved a minimum degree grade point average of 3.5; and
- (3) have demonstrated outstanding achievement in the course Design in Engineering (currently numbered ENG 1430) completed in the previous academic year.

The paragraph following the numbered criteria was revised to:

The selection committee has the discretion to determine the number and value of awards offered each year based on the available funds, as outlined in the criteria above.

The selection committee paragraph was revised to:

The selection committee will be the Undergraduate Awards Committee in the Price Faculty of Engineering.

The standard Board of Governors statement was added.

North American Caribou Workshop Graduate Fellowship in Wildlife Management

The following amendments were made to the terms of reference for the North American Caribou Workshop Graduate Fellowship in Wildlife Management:

The title was updated to:

Graduate Fellowship in Sub-Arctic and Arctic Wildlife Management

The preamble was revised to:

The North American Caribou Workshop and the Clayton H. Riddell Faculty of Environment, Earth, and Resources established an endowment fund at the University of Manitoba in 2012 with an initial gift of \$30,000. The purpose of the fellowship is to support students at the University of Manitoba pursuing graduate studies in wildlife management with a particular emphasis on the management of sub-arctic and arctic ungulates (e.g. Caribou, Musk Oxen, Elk, Moose, Deer, Bison). Each year, beginning in 2014-2015, the available annual income from the fund will be used to offer one fellowship to a graduate student who:

The numbered criteria were revised to:

- (1) is enrolled full-time in the Faculty of Graduate and Postdoctoral Studies in any master's or doctoral program offered through the Clayton H. Riddell Faculty of Environment, Earth, and Resources;
- (2) has achieved a minimum grade point average of 3.5 based on the last 60 credit hours (or equivalent) of study; and

- (3) demonstrates an interest in aspects of sub-arctic and arctic ungulate research, monitoring or management and who considers different disciplines or sub-disciplines such as ecology, economy, governance, resource management and land use planning.

The paragraph following the numbered criteria was revised to:

In order to demonstrate how they meet criterion (3), candidates must submit an application that includes:(a) a short essay (500 words maximum) explaining how different disciplines contribute to ungulate research, monitoring or management as well as listing any relevant project(s) and/or experience in wildlife management in Manitoba and Canada; (b) a current transcript(s)(web transcripts accepted); (c) two academic letters of support.

The selection committee paragraph was revised to:

The Dean of the Faculty of Graduate and Postdoctoral Studies (or designate) will ask the Dean of the Clayton H. Riddell Faculty of Environment, Earth, and Resources (or designate) to name the selection committee for this award.

The standard Board of Governors statement was added.

3. WITHDRAWALS

The following awards are requested by the donor to be withdrawn:

- Manitoba Infrastructure Scholarship
- Tony T. K. Lau International Exchange Scholarship

Preamble:

1. The terms of reference for the Senate Committee on Appeals (SCAP) are found on the web at: [University of Manitoba - Senate Committee on Appeals \(umanitoba.ca\)](http://umanitoba.ca)
2. Section 2.2 of the Senate Committee on Appeals states:
There shall be a Senate Committee on Appeals:
 - (a) from which Panels shall be established to hear appeals as set out in the related Senate Committee on Appeals Procedures;
 - (b) that shall make decisions on appealable matters that shall be final and binding;
 - (c) that shall review the Senate Committee on Appeals Policy and related Procedures periodically and, if necessary, recommend changes.
3. The Committee is to report to Senate on the determination of all appeals submitted to it; and advise the Executive Committee of any Senate regulations affecting students which appear to be creating particular difficulties.

Observations:

The Committee has received 12 new appeals since the last report to Senate in April 2025. These cases are summarized, along with the one open file previously reported, without compromising the confidentiality of the Appellant.

- An appeal was received against an academic decision by the Faculty of Science. The grounds were failure of the Faculty/School or Dean/Director to follow procedures or the rules of natural justice and failure to reasonably consider all factors relevant to the decision being appealed. The Committee denied the appeal.
- An appeal was received against an academic decision by the Faculty of Science. The grounds were failure to reasonably consider all factors relevant to the decision being appealed. The Committee determined that there were insufficient grounds for the appeal to proceed to a hearing.
- An appeal was received against an academic decision by the College of Nursing. The grounds were failure of the Faculty/School or Dean/Director to follow procedures or the rules of natural justice and failure to reasonably consider all factors relevant to the decision being appealed. The Committee determined that there were insufficient grounds for the appeal to proceed to a hearing.
- An appeal was received against an academic decision by the Faculty of Graduate Studies. The grounds were failure of the Faculty/School or Dean/Director to follow procedures or the rules of natural justice, failure to reasonably consider all factors relevant to the decision being appealed, and that a Faculty/School/Senate governing document has become inapplicable through lapse of time or was unfairly applied. The Committee denied the appeal.
- An appeal was received against an academic decision by the Max Rady College of Medicine. The grounds were failure to follow procedures or the rules of natural justice, failure to reasonably consider all factors relevant to the decision being appealed, and that a Faculty/School/Senate governing document has become inapplicable through lapse of time or was unfairly applied. The Committee determined that there were insufficient grounds for the appeal to proceed to a hearing.
- An appeal was received against an academic decision by the College of Nursing. The grounds were failure to follow procedures or the rules of natural justice,

failure to reasonably consider all factors relevant to the decision being appealed, and that a Faculty/School/Senate governing document has become inapplicable through lapse of time or was unfairly applied. The Committee granted the appeal.


- An appeal was received against an academic decision by the Faculty of Science. The grounds were failure to reasonably consider all factors relevant to the decision being appealed. The Committee sent the appeal to the Faculty for consideration.
- An appeal was received against an academic decision by the Faculty of Graduate Studies. The grounds were failure to follow procedures or the rules of natural justice and failure to reasonably consider all factors relevant to the decision being appealed. The Committee determined that there were insufficient grounds for the appeal to proceed to a hearing.

Currently the Committee has five open files

Respectfully submitted,
Dr. Melanie Soderstrom, Chair
Senate Committee on Appeals

DATE: October 3, 2025

TO: Jeff Leclerc
University Secretary

FROM: Michael Benarroch, Ph.D.
President and Vice-Chancellor 

RE: Increase to Admission Targets, Bachelor of Commerce (Honours)
Winter 2026 Intake

I attach a recommendation from Dr. Greg Smith, Vice-Provost (Academic Planning & Programs) for a one-time increase to the admission target of the Bachelor of Commerce (Hons.) program for the Winter 2026 admission cycle.

Under the Admission Targets Policy and Procedure, the President may approve changes to admission targets following consultation with the Dean/Director, Senate, and the Board of Governors.

Accordingly, please place this item on the agenda for the November 5, 2025, Senate meeting and the Board meeting following.


Cc: Diane Hiebert-Murphy, Provost and Vice-President (Academic)
Greg Smith, Vice-Provost (Academic Planning & Programs)
Laurie Schnarr, Vice Provost (Students)
Bruno Silvestre, Dean, I.H. Asper School of Business
Jeff Adams, Registrar and Executive Director, Enrolment Services
Randy Roller, Executive Director, OIA
Jason Jorgenson, Academic Planning and Programs Specialist
Jennifer Marchant, Academic Planning and Programs Specialist



Office of Provost and Vice-President (Academic)

208 Administration Building
Winnipeg, Manitoba
Canada R3T 2N2
Telephone (204) 480-1408
Fax (204) 275-1160

**University
of Manitoba**

Date: October 1, 2025
To: Dr. Michael Benarroch, President and Vice-Chancellor
From: Dr. Greg Smith, Vice-Provost (Academic Planning & Programs) 
RE: **Request for Temporary Increase to Admission Target,
B. Comm. (Hons.) program**

Under the Admission Targets Policy and at the request of Dr. Bruno Silvestre, Dean, I.H. Asper School of Business, please find attached a proposal for a one-time increase to the admission target of the B.Comm. (Hons.) program for the Winter 2026 admission cycle.

Based on continued high demand for admission to the program, the Faculty of Management would like to request an additional 25 seats for the Winter 2026 admission cycle, via the Track One admission category. They currently have 67 applicants for 19 available seats that remain from the Fall admission cycle and would like to be able to offer at least 40 seats in the Winter 2026 academic term. Many of these students needed the fall term to complete the 24-credit hour foundation program, and others simply missed the application deadline.

Consistent with the Admission Targets Policy and Procedure, the President may approve changes to Admission Targets following consultation with the Dean/Director, Senate and the Board of Governors.

Please provide your advice concerning this matter to the Office of University Secretary by Monday, October 8, 2025, so that, if supported, the request may receive timely consideration by Senate and the Board of Governors.

Please let me know if you require any additional information.

Sincerely,

Dr. Greg Smith
Vice-Provost (Academic Planning & Programs)

Cc: Diane Hiebert-Murphy, Provost and Vice-President (Academic)
Bruno Silvestre, Dean, Faculty of Management, I. H. Asper School of Business
Jason Jorgenson, Academic Planning & Programs Specialist
Jenn Marchant, Academic Planning & Programs Specialist

/jm

Date: 24th September, 2025

To: Greg Smith, Vice Provost – Academic Planning and Programs

From: Dr. Bruno Silvestre, Dean, I.H. Asper School of Business

Re: Additional Seats for the B.Comm(Hons.) Winter 2026 Intake

The Asper School of Business does everything it can to help students who are seeking a business education here in Manitoba to provide those students with the opportunity to do so here at UM. The creation of the Winter intake last year was in effort to support and promote that.

Proposal

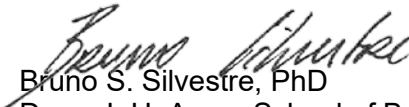
Based on the continued high demand for the program we would like to request an additional 25 seats for the Winter 2026 intake for applications via the Advanced Entry Track One pathway.

Rationale

As at the September 23, 67 applications have been submitted for the Winter intake, applications close at the end of September. At the moment we have approximately 19 seats available in the Track 1 category from the Fall intake, and would like to ensure we have at least 40 seats to offer students. Many of these students needed an extra term to complete the requirements of the 24-credit hour foundation program, others simply just missed the Fall deadline.

Some international students currently at UM have also been interested in a Winter intake and in some cases, this means the difference between staying at UM or looking to move to another business program elsewhere with Winter intakes. It also gives ICM students a more flexible transition to UM entering directly into Asper rather than having to wait for Fall 2026.

Should you have any question or require clarification, please reach out to Associate Dean, Robert Biscontri at r.biscontri@umanitoba.ca.


Bruno S. Silvestre, PhD
Dean, I. H. Asper School of Business
CPA Manitoba Chair in Business Leadership

Cc Teresa Albinet-Lecocq, Confidential Assistant to the Dean, I. H. Asper School of Business
Robert Biscontri, Associate Dean Undergraduate, I. H. Asper School of Business
Wensi Heran, Undergraduate Program Manager, I. H. Asper School of Business

Report of the Senate Executive Committee

Preamble

The Executive Committee of Senate held its regular monthly meeting on the above date.

Observations

1. Speaker for the Executive Committee of Senate

Dean Jan Stewart, Faculty of Education, will be the Speaker for the Executive Committee for the November 5, 2025, meeting of Senate.

2. Vacancies on the Senate Committee on Nominations

The report of the University Secretary on the Senate Committee on Nominations (SCN) is attached (Attachment A). Members of the SCN are nominated by the Senate Executive Committee and elected by Senate. Senate Executive has made recommendations on nominations for two vacancies for student members.

Two vacancies for student members (one-year term) remain.

3. Comments of the Executive Committee of Senate

Other comments of the Executive Committee accompany the report on which they are made.

Recommendation:

The Senate Executive Committee recommends:

THAT Senate approve the nomination of Ms. Lamia Mahzabin and Ms. Maria Pepelassis (student members) for terms ending on May 31, 2026.

Respectfully submitted,

Dr. Michael Benarroch, Chair
Senate Executive Committee

[Terms of Reference](#)

September 18, 2025

Vacancies on the Senate Committee on Nominations

At the July 1977 meeting of Senate, Senate approved, without debate, area representations for the Senate Committee on Nominations. The representation was amended in July 1991 to include the Libraries, in June 2005 to include the Clayton H. Riddell Faculty of Environment, Earth and Resources, and in October 2014 to take into account the Rady Faculty of Health Sciences. In 2021, representation was added from the Office of the Vice-President (Indigenous) and the Vice-Provost (Academic Affairs).

Members of the Senate Committee on Nominations are nominated by the Senate Executive Committee and elected by Senate.

The current membership is as follows:

| | | |
|---|--------------------------------|-------------------|
| Agricultural and Food Sciences & Environment, Earth and Resources | Michel Aliani | 2027 |
| Architecture & Engineering | Philip Ferguson* | 2028 |
| Arts | Pam Perkins, Chair | 2026 |
| Education, Kinesiology and Recreation Management & Extended Education | Steven Passmore* | 2027 |
| Health Sciences (2) | Sharon Bruce* | 2028 |
| | Nicole Harder* | 2026 |
| Libraries & Student Affairs | Cody Fullerton | 2028 |
| Management, Law & Social Work | Robert Biscontri* | 2026 |
| Music & School of Art | Colette Simonot-Maiello* | 2027 |
| Science | Mazdak Khajepour | 2027 |
| Students (2) | <i>Vacant Student Position</i> | 2026 |
| | <i>Vacant Student Position</i> | 2026 |
| Vice-President (Indigenous) or designate | Christine Cyr (designate) | <i>ex-officio</i> |
| Vice-Provost (Academic Affairs) or designate | Oluchi Ogbu (designate) | <i>ex-officio</i> |

* denotes member of Senate presently or at time of appointment

The composition of the Senate Committee on Nominations calls for ten members of the academic staff, the majority of whom are to be members of Senate and two student appointments, recommended by the Student Senate Caucus, nominated by the Senate Executive Committee and elected by Senate.

Student Senate Caucus has recommended the following students for appointment to the Committee:

| | |
|------------------|------------------|
| Lamia Mahzabin | Graduate Studies |
| Maria Pepelassis | Law |

The appointments will be effective upon election and end May 31, 2026.

Report of the Senate Committee on Curriculum and Course Changes RE: Proposed Articulation Agreements, University of Manitoba, B.Sc. (Biosystems Engineering), B.Sc. (Electrical Engineering), and B.Sc. (Computer Engineering) – Red River College Polytechnic, Engineering Technology Diploma Programs

Preamble:

1. The [terms of reference](#) for the Senate Committee on Curriculum and Course Changes (SCCCC) are available on the University Governance website. The SCCCC is “to recommend to Senate on the introduction, modification or abolition of undergraduate programs, curricula or courses.”
2. At its meeting on September 12, 2025, the SCCCC considered proposals from the Price Faculty of Engineering for three articulation agreements between the University of Manitoba (UM) and Red River College Polytechnic (RRCP). The proposals concern advanced standing in the Bachelor of Science (Biosystems Engineering), Bachelor of Science (Electrical Engineering), and Bachelor of Science (Computer Engineering) degree programs, for graduates of the following Diploma programs offered at RRCP:
 - Diploma in Municipal Engineering Technology
 - Diploma in Structural Engineering Technology
 - Diploma in Environmental Engineering Technology
 - Diploma in Geomatics Technology
 - Diploma in Mechanical Engineering Technology
 - Diploma in Electrical Engineering Technology
 - Diploma in Electronic Engineering Technology
 - Diploma in Instrumentation and Control Engineering Technology
3. The proposals were endorsed by the Faculty Council of the Price Faculty of Engineering at its meetings on May 28 and August 19, 2025.
4. The Senate Committee on Admissions (SCADM) considered the proposals at its meetings on August 28 and September 23, 2025.
5. Senate previously approved articulation agreements with RRCP for advanced standing in the Bachelor of Science (Civil Engineering) and Bachelor of Science (Mechanical Engineering) degrees (Senate, February 5, 2025). The current proposals follow the same structure.

Observations:

1. The articulation agreements provide for graduates of the Engineering Technology Diploma programs indicated above, in the preamble, to be admitted directly to one of the following degree programs. (The agreement for each degree program specifies which diploma programs are eligible for advanced standing toward the degree.) For students admitted under one of the agreements, the agreements outline the RRCP courses eligible for transfer credit and the courses to be completed at the UM, to meet the course and credit hour requirements for the degree, including any preliminary engineering courses not addressed through transfer credits. Transfer credit will be granted only for those RRCP courses in which students attained a minimum grade of C.

- B.Sc. (Biosystems Engineering):
 - Transfer credit: 18 credit hours (minimum) up to 37 credit hours (maximum)
 - UM course requirements: 119 credit hours (minimum) up to 138 credit hours (maximum), to complete the requirement for 154 - 156 credit hours for the degree
 - B.Sc. (Electrical Engineering):
 - Transfer credit: 40 – 41 credit hours
 - UM course requirements: 118.5 - 119.5 credit hours to complete the requirement for 159.5 – 164.5 credit hours for the degree
 - B.Sc. (Computer Engineering):
 - Transfer credit: 40- 41 credit hours
 - UM course requirements: 113.5 – 114.5 credit hours, to complete the requirement for 154.5 - 160.5 credit hours for the degree
3. The objective of the articulation agreements is to provide a pathway for graduates of the specified Engineering Technology Diploma programs at RRCP to complete an engineering degree, which is required for licensure as a P.Eng., with assured transfer credits toward the degree.
 4. The agreements comply with the requirements of the Canadian Engineering Accreditation Board (CEAB) that at least 50 percent of the degree program, including all courses with significant design experiences (e.g. capstone design), must be completed within the Faculty.
 5. The course mapping forms included with the proposals describe the RRCP courses for which students would receive transfer credit. The SCCCC received and reviewed course syllabi for the RRCP courses. The courses have also been evaluated for transfer credit following the established process at the UM. The course mapping forms for the B.Sc. (Biosystems Engineering) program also indicate specific RRCP courses with a design component that must be taught by a Professional Engineer, to be eligible for transfer credit into the degree program, for compliance with CEAB requirements.

The Faculty has included program plans for the three degrees, to show courses that students will need to complete at the UM and RRCP courses for which they would receive transfer credit under the agreement.
 6. A maximum of ten (10) students would be admitted to the Faculty under each agreement. The Faculty anticipates that three (3) to ten (10) students will be admitted under each agreement annually. Students admitted under these agreements will be counted within the existing admission target for the Faculty.
 7. The Committee was informed that approval and implementation of the articulation agreements would not lead to a reduction in the number of spaces available in the degree programs for UM students seeking admission to the Departments from the Preliminary Engineering Program. The Faculty will allocate up to ten (10) seats annually for students admitted under these articulation agreements, in the relevant degree program. Additionally, it was noted that the province recently approved a 25 percent increase to the admission target for the Faculty, which is being phased in over three years (Senate, January 12, 2022). In the last two admission cycles, there were sufficient spaces to admit every eligible applicant from the Preliminary Engineering Program to a Department.

8. The Faculty has indicated it can support the three articulation agreements with its existing resources, including teaching resources and student advising, which can be managed by existing student services and undergraduate advising staff. The Faculty anticipates that up to 0.5 FTE of coordination time will be required to support each of the agreements.

Recommendation:

The Senate Committee on Curriculum and Course Changes recommends:

THAT Senate approve the articulation agreements between the University of Manitoba, Price Faculty of Engineering, and Red River College Polytechnic, concerning advanced standing in the Bachelor of Science (Biosystems Engineering), the Bachelor of Science (Electrical Engineering), and Bachelor of Science (Computer Engineering) degrees at the University of Manitoba, as appropriate, for graduates of the Diploma programs listed below. The agreements are established for five-year terms, beginning September 1, 2026.

- **Diploma in Municipal Engineering Technology**
- **Diploma in Structural Engineering Technology**
- **Diploma in Environmental Engineering Technology**
- **Diploma in Geomatics Technology**
- **Diploma in Mechanical Engineering Technology**
- **Diploma in Electrical Engineering Technology**
- **Diploma in Electronic Engineering Technology**
- **Diploma in Instrumentation and Control Engineering Technology**

Respectfully submitted,

Professor Dawn Sutherland, Chair
Senate Committee on Curriculum and Course Changes

Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the Report to Senate.

Report of the Senate Committee on Admissions concerning a proposal from the Price Faculty of Engineering to introduce an articulation agreement with Red River College Polytech (2025.08.28)

Preamble:

1. The terms of reference for this committee can be found at:
https://umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_Admissions_Terms_of_Reference.pdf
2. The Price Faculty of Engineering is proposing the creation of an articulation agreement with Red River College (RRC) Polytech. The agreement is for entry into the Bachelor of Science in Engineering (Biosystems) degree program.
3. The proposal was endorsed by SCADM on August 28th, 2025.

Observations:

1. This agreement mirrors the Civil and Mechanical articulation agreements that were approved by Senate in February of this year. Successful applicants will be admitted directly into year two of the Biosystems degree program.
2. Currently applicants from RRC Polytech are eligible to be admitted to the faculty but the only option is to enter into the preliminary year meaning they have to compete for departmental seats in year two.
3. To be eligible applicants must have successfully completed one of the RRC Polytech diploma programs identified in the agreements with grades of C or better in all courses.
4. A maximum of 10 students will be admitted through each agreement. Should the number of eligible applicants exceed 10 seats per program, applicants will be ranked based on their cumulative grade point average (CGPA).

Recommendation:

The Senate Committee on Admissions recommends that the proposal from the Price Faculty of Engineering to introduce an articulation agreement with RRC Polytech be approved and come into effect upon the signing of the agreement.

Respectfully submitted
Laurie Schnarr, Chair, Senate Committee on Admissions

Report of the Senate Committee on Admissions concerning a proposal from the Price Faculty of Engineering to introduce an articulation agreement with Red River College Polytech (2025.09.23)

Preamble:

1. The terms of reference for this committee can be found at:
https://umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_Admissions_Terms_of_Reference.pdf
2. The Price Faculty of Engineering is proposing the creation of an articulation agreement with Red River College (RRC) Polytech. The agreement is for entry into the Bachelor of Science in Engineering (Electrical) degree program.
3. The proposal was endorsed by SCADM on September 23rd, 2025.

Observations:

1. This agreement mirrors the Civil and Mechanical articulation agreements that were approved by Senate in February of this year, and the Biosystems articulation that is currently in the Senate approval process. Successful applicants will be admitted directly into year two of the Electrical degree program.
2. Currently applicants from RRC Polytech are eligible to be admitted to the faculty but the only option is to enter into the preliminary year meaning they have to compete for departmental seats in year two.
3. To be eligible applicants must have successfully completed one of the RRC Polytech diploma programs identified in the agreement with grades of C or better in all courses.
4. A maximum of 10 students will be admitted through each agreement. Should the number of eligible applicants exceed 10 seats per program, applicants will be ranked based on their cumulative grade point average (CGPA).

Recommendation:

The Senate Committee on Admissions recommends that the proposal from the Price Faculty of Engineering to introduce an articulation agreement with RRC Polytech be approved and come into effect upon the signing of the agreement.

Respectfully submitted
Laurie Schnarr, Chair, Senate Committee on Admissions

Report of the Senate Committee on Admissions concerning a proposal from the Price Faculty of Engineering to introduce an articulation agreement with Red River College Polytech (2025.09.23)

Preamble:

1. The terms of reference for this committee can be found at:
https://umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_Admissions_Terms_of_Reference.pdf
2. The Price Faculty of Engineering is proposing the creation of an articulation agreement with Red River College (RRC) Polytech. The agreement is for entry into the Bachelor of Science in Engineering (Computer) degree program.
3. The proposal was endorsed by SCADM on September 23rd, 2025.

Observations:

1. This agreement mirrors the Civil and Mechanical articulation agreements that were approved by Senate in February of this year, and the Biosystems articulation that is currently in the Senate approval process. Successful applicants will be admitted directly into year two of the Computer degree program.
2. Currently applicants from RRC Polytech are eligible to be admitted to the faculty but the only option is to enter into the preliminary year meaning they have to compete for departmental seats in year two.
3. To be eligible applicants must have successfully completed one of the RRC Polytech diploma programs identified in the agreement with grades of C or better in all courses.
4. A maximum of 10 students will be admitted through each agreement. Should the number of eligible applicants exceed 10 seats per program, applicants will be ranked based on their cumulative grade point average (CGPA).

Recommendation:

The Senate Committee on Admissions recommends that the proposal from the Price Faculty of Engineering to introduce an articulation agreement with RRC Polytech be approved and come into effect upon the signing of the agreement.

Respectfully submitted
Laurie Schnarr, Chair, Senate Committee on Admissions



University
of Manitoba

Price Faculty of Engineering

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02 June 2025

Mr. Jeff Leclerc
University Secretary
University of Manitoba
Winnipeg, MB R3T 2N2

by email: Jeff.Leclerc@UManitoba.ca

And

Dr. Greg Smith
Vice Provost (Academic Planning & Programs)
University of Manitoba
Winnipeg, MB R3T 2N2

by email: Greg.Smith@UManitoba.ca

Re: Proposal for an additional Articulation Agreement between the Price Faculty of Engineering (Biosystems Engineering) and RRC Polytech

Dear Mr. Leclerc and Dr. Smith,

In winter 2025, the University Senate approved two articulation agreements between the Price Faculty of Engineering (Department of Mechanical Engineering) and the Price Faculty of Engineering (Department of Civil Engineering) and the respective engineering technology programs at RRC Polytech.

Attached please find a submission for an additional (third) articulation agreement between the Price Faculty of Engineering and RRC Polytech for articulation from several RRC Polytech engineering technology programs into the Price Faculty of Engineering's **biosystems engineering degree program**. This proposal was endorsed at Engineering Faculty Council on May 28, 2025.

The proposal reflects the same structure as the previously-approved agreements into the Price Faculty of Engineering mechanical and civil engineering programs, inclusive of the guidance and revisions requested by SCADM and SCCCC in the afore-mentioned approvals and clarity around registration processes discussed with the Registrar's Office during implementation.

The key features of the proposed agreements are:

- Renewed analysis and updating of transfer credit provisions for RRC Polytech graduates, taking into account our accreditation requirements for minimum levels of design content

umanitoba.ca/engineering



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and P.Eng. instruction in the critical path of a student's program. This provides clarity over the current course-by-course based approach to transfer credit evaluation.

- RRC Polytech graduates are admitted to the Price Faculty of Engineering on the basis of RRC Polytech diploma completion (rather than high school marks) to a guaranteed allocation of seats in our programs.
- RRC Polytech graduate are admitted directly into their program of choice (rather than into the preliminary year), ensuring they have access to the discipline of their RRC Polytech diploma program.

Over time, we will work jointly with RRC Polytech to augment the transfer credit opportunities.

This initiative is strongly supported by the Presidents and Vice-Presidents (Academic) at both institutions, the Engineering Technology programs' leadership at RRC Polytech, and by our industry community as evidenced in the attached letters of support.

The proposed articulation agreement does not diminish any existing programs within the Price Faculty of Engineering. It can be fully implemented using the existing resources in the Price Faculty of Engineering. The proposed articulation agreement does not require any new resources nor any re-allocation of resources away from other units.

I look forward to working with UM on bringing this third articulation agreement to fruition. Please do not hesitate to reach out to me at Marcia.Friesen@UManitoba.ca or 204-474-9806 for discussion.

Sincerely,

Marcia Friesen, Ph.D., P.Eng.
Dean, Price Faculty of Engineering

Attached:

- Proposal document from Biosystems Engineering
- Course Mapping and Program Chart documents
- Letters of Support
- Course Outlines



University
of Manitoba

SENATE ARTICULATION AGREEMENT PROPOSAL

Section A: UM Program and Partner Information

1. **Agreement Type:** New Renewal Domestic International

2. **Name and Address of Partner Institution:**

RRC Polytech - School of Skilled Trades and Technologies
2055 Notre Dame Ave.
Winnipeg, MB R3H 0J9

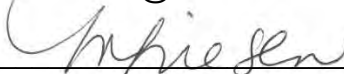
3. **UM Program Contact:**

Name: Marcia Friesen

Designation: Dean, Price Faculty of
Engineering

Email: Marcia.Friesen@UManitoba.ca

Phone: 204-474-9806

Signature: 

Date: 30 May 2025

4. **Name and designation of contact person from partner institution (*include full contact information*):**

Name: Derek Kochenash

Designation: Dean, School of Skilled Trades
and Technologies

Address: A1-34 – 2055 Notre Dame Avenue, Winnipeg, MB R2H 0J9

Email: DKochenash@RRC.CA

Phone: 204-632-3990

5. **Name and designation of signing authority for the partner institution (*include full contact information*):**

Name: Christine Watson

Designation: Vice President - Academic

Address: C7, 2055 Notre Dame Ave., Winnipeg, MB R0R 0R0

Email: CEWatson@RRC.CA

Phone: 204-632-2380

Section B: Articulation Program Proposal

PROGRAM INFORMATION

6. **UM Faculty/College/School:** Price Faculty of Engineering
UM Department: Biosystems Engineering
UM Program to which advanced entry is sought (*provide program name and credential*).
- Bachelor of Science in Engineering (Biosystems)
7. **Program at Partner Institution from which advanced entry is sought (*provide program name and credential*).**

Diploma in Municipal Engineering Technology
<https://www.rrc.ca/explore/program/municipal-engineering-technology/>

Diploma in Structural Engineering Technology
<https://www.rrc.ca/explore/program/structural-engineering-technology/>

Diploma in Environmental Engineering Technology
<https://www.rrc.ca/explore/program/environmental-engineering-technology/>

Diploma in Geomatics Technology
<https://www.rrc.ca/explore/program/geomatics-technology/>

Diploma in Mechanical Engineering Technology
<https://www.rrc.ca/explore/program/mechanical-engineering-technology/>

8. **Start date (*number of years for which the agreement is proposed to run, generally to a maximum of 5 years*).**

Start Date: September 2026 Period (yrs.): 5 years

9. **Combined duration of the articulation program, in years and credit hours [e.g. 4 years (120 credit hours) – Partner 2 (60 credit hours) + UM 2 (60 credit hours)].**

Because of the prerequisite chains that exist, it is likely to take 3.5-4 years at UM to complete the Biosystems Engineering degree after completion of the corresponding RRC Polytech diploma program. The list below overviews of the number of courses in the BIOE program for which transfer credit will be granted and the remaining number of credit hours of coursework to be completed at the University of Manitoba. Depending on the electives selected, the total number of credit hours to complete the UM BIOE program is 154-156.

Civil Engineering Technology Program (2.6 years RRC Polytech + 3.5 years UM = 6.1 years)

Municipal Engineering Technology Stream

- Transfer credits granted for 8 courses (27 credit hours) in UM BIOE program; 129 credit hours of coursework remaining

Structural Engineering Technology Stream

- Transfer credits granted for 8 courses (26 credit hours) in UM BIOE program; 130 credit hours of coursework remaining

Environmental Engineering Technology Stream

- Transfer credits granted for 8 courses (26 credit hours) in UM BIOE program; 130 credit hours of coursework remaining

Geomatics Technology Stream

- Transfer credits granted for 6 courses (18 credit hours) in UM BIOE program; 138 credit hours of coursework remaining

Mechanical Engineering Technology Program (2.3 years RRC Polytech + 3.5 years UM = 5.8 years)

- Transfer credits granted for 11 courses (37 credit hours) in UM BIOE program; 119 credit hours of coursework remaining

10. If applicable, will students be able to participate in a co-op option in the program?

Y N NA

11. Detail any costs accrued to the UM arising from this proposal. Costs should include any resources required to support the program and any tuition and/or fee implications, including application fees.

[A letter from the budget Dean detailing how any costs will be met must accompany the completed proposal.](#)

RRC Polytech students admitted into the agreement will pay the regular University of Manitoba application fee and the University of Manitoba tuition fees for either domestic or international students. The Price Faculty of Engineering Student Services office and the Biosystems Engineering department office, with the assistance of Enrolment Services, will manage the course mapping of students entering the UM under this agreement. Students opting for the Co-op/Internship Program will use the same pathway as any other Price Faculty of Engineering student applying for the program.

An initial workload to establish communication about the agreement (website for students arriving within the agreement) and develop the necessary processes and documentation will be addressed with existing resources.

It is expected that the advising of students within the agreement will be incorporated into the roles of existing student services and undergraduate advising staff, and that tracking of students for statistical purposes will be incorporated into the existing student services staff and data coordinator's roles.

12. Outline any additional interactions planned in relation to the agreement. For example, formal interactions with the faculty and staff at the partner institution; development of joint curriculum between institutions, etc. Please describe.

To develop this agreement, Price Faculty of Engineering and RRC Polytech faculty and staff have met and exchanged information regularly over the period of two years regarding respective program requirements and course outlines. Course evaluation and course mapping have been completed based on current curriculum at both institutions.

During the period of the agreement, the Associate Dean (Undergraduate) and Department Head (Biosystems Engineering) or their designates will meet with their RRC Polytech counterparts 1-2 times/year to review status and functioning of the agreement, and to review and incorporate any curriculum changes within either program.

STUDENT SELECTION AND SUPPORT

13. Number of students to be admitted at each intake.

Expected No. 3-10

Maximum No. 10

14. Is advanced standing limited to graduates of the partner institution program? Y N

15. Provide details of the program requirements, highlighting where students will receive advanced standing in the UM program and outlining the course and any other program requirements/outcomes that students must meet at UM to obtain their degree.

Append the following: (i) Articulation Course Mapping form; (ii) a revised program chart, indicating which courses students will have completed at the partner institution and which will be completed at UM; and (iii) all applicable course syllabi from the partner program.

The agreement is formulated around three foundational aspects:

1. Adjusted admission requirements:

- a. Admission will be offered to graduates of the Civil Engineering Technology diploma program (i.e., Municipal Engineering Technology Stream, Structural Engineering Technology Stream, Environmental Engineering Technology Stream, or Geomatics Technology Stream) at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all courses was C or better.
- b. Admission will be offered to graduates of the Mechanical Engineering Technology diploma program at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all courses was C or better.

2. Guaranteed allocation of seats in the program: RRC Polytech graduates will be accepted directly into the second-year Biosystems Engineering Program, bypassing the competitive process normally applied to Preliminary Year students applying to departmental programs and are guaranteed a seat within the Price Faculty of Engineering seat capacity. These students will be required to complete all normal program requirements, including completing preliminary courses that did not receive transfer credit.

3. Course transfer agreements are outlined on the attached course mapping tables. In some instances, courses, must be instructed by a registered Professional Engineer (P.Eng.) in order to be eligible for transfer credit. Separate tables have been included where this applies.

16. Describe the entry pathway for admission and selection for articulation at UM. Include information on admission requirements, including minimum GPA requirements and English language requirements, should they fall outside the standard UM requirements.

International agreements should identify and address the role of a UM faculty member (or representative) in the student selection process.

1. Eligible applicants are those who have completed one of the Civil Engineering Technology (i.e., Municipal Engineering Technology Stream, Structural Engineering Technology Stream, Environmental Engineering Technology Stream, or Geomatics Technology Stream) diploma programs or the Mechanical Engineering Technology diploma program at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all required courses was C or better.
2. Up to 10 qualifying RRC Polytech graduates will be admitted into the Bachelor of Science in Engineering (Biosystems) program per year. In the event that there are more than 10 eligible applicants in a given year, admission will be offered on the basis of the cumulative grade point average (CGPA) of the diploma in rank order. Applicants who do not rank in the top 10 will be considered along with other Engineering program applicants based on the ranking of their

Adjusted Grade Point Average (AGPA) and only if they meet all Engineering program application requirements.

3. A maximum of 60 credit hours can be transferred into the Bachelor of Science in Engineering (Biosystems) program. In all cases, the applicant must have earned a grade of C or better in the course in the transferable credits.
4. RRC Polytech applicants are admitted solely on the basis of their RRC Polytech coursework. Any additional post-secondary work will be assessed on a case-by-case basis for potential transfer credit, up to a maximum of 60 credit hours of transferable credits.
5. Applicants whose primary language is not English and who do not qualify for a waiver under the University of Manitoba's English Language proficiency regulations will be required to demonstrate proficiency in English through one of the options listed on the University of Manitoba Admissions website.

17. Outline any recruitment strategies associated with the proposed program. Include information on efforts by both the UM and partner institution where applicable.

The agreement will include the development of informational and promotional material designed for RRC Polytech students as the audience, including print materials and a web presence both on the RRC Polytech and Price Faculty of Engineering websites. Active promotion of the agreement to RRC Polytech students will take place through regularly scheduled on-site recruitment at RRC Polytech as well as information sessions and tours of the Price Faculty of Engineering, and information sessions for RRC Polytech faculty awareness.

18. What types of student support will the UM be required to provide to students participating in this program? This could include such things as orientation, advisory services, accommodation, language courses, etc.

The student supports in the Price Faculty of Engineering and the University of Manitoba will be available to students arriving under this agreement. Additional training to Price Faculty of Engineering student advisors will take place to advise students arriving under this agreement.

QUALITY ASSURANCE

19. Please indicate how often the agreement will be reviewed as well as an outline of the review process.

The agreement will be comprehensively reviewed every five years to assess each partner's desire to continue with an agreement, as well as to determine any structural changes which may need to be made (e.g. admission requirements or course mappings). On an ongoing basis, the agreement will include a bi-annual review of course mapping via syllabi examination and consultation with instructors and unit heads at each institution, an annual review of student performance, and meetings between agreement partners on an annual basis, at minimum.

20. Outline how feedback will be provided to the partner institution in terms of student performance.

The partner institution will be provided with summary reports that include student intake, program selections, academic performance, and graduation data. In-person meetings between agreement partners will be held on an annual basis, at minimum.

21. If the UM program is accredited by an external body, will the proposed articulation impact the accreditation? If so, what steps are required to maintain accredited status?

The Biosystems Engineering program is accredited by the Canadian Engineering Accreditation Board (CEAB). CEAB regulations contemplate transfer credit, which form the basis of this agreement. Key requirements are that at least 50% of the program as well as significant design experiences (e.g. capstone design) must be completed within the Price Faculty of Engineering at The University of Manitoba. Further, programs need to provide evidence that the CEAB curriculum content and quality criteria are met by all students – that is, that all students take the minimum critical path. This agreement operates within these accreditation requirements.

As noted in section 15, additional consideration will be given to transfer courses that are required to be instructed by a Professional Engineer (P.Eng.) for accreditation purposes. These courses are highlighted in the Course Mapping Forms and will be assessed in each case to ensure this condition is being met prior to granting the transfer credit.

22. What mechanisms are in place to allow any students on the articulation pathway to complete their studies should the articulation be withdrawn?

In the event that the articulation agreement is withdrawn, students on the articulation pathway will be treated as regular transfer students in their degree programs.

23. What is the partner institution's policy on academic freedom? What are the implications of this (if any) on course content.

RRC Polytech students have freedom of expression, spirituality, assembly and participation in college community and student associations. These rights are outlined in Section 4.4 *Non Academic Rights of the Student Code of Rights and Responsibilities*.

<https://www.rrc.ca/legal/policies/student-code-of-rights-and-responsibilities/>

RRC Polytech faculty and instructors also have freedom to participate in scholarly activities in any way they choose within set ethical guidelines, and whilst not being forced to participate. These principles are outlined in section 4.1 of the *Research and Scholarly Activity Policy*.

<https://www.rrc.ca/legal/policies/research-and-scholarly-activity/>

BENEFIT ANALYSIS

24. Outline the anticipated benefits expected from this agreement to the partners and students.

The agreement offers a pathway for RRC Polytech graduates to be admitted to the Price Faculty of Engineering on the basis of their RRC Polytech credentials and complete an undergraduate engineering degree with an assured transfer credit provision.

The agreement provides opportunities for students to expand their career credentials by offering RRC Polytech graduates a pathway toward an engineering degree, which is the foundation for subsequent P.Eng. licensure. The dual credential of an engineering technology diploma and an engineering degree is recognized as a highly effective combination in the marketplace, demonstrative of a broad applied and theoretical knowledge and skill set.

As the Province's only research university and professional engineering school (UM) and as the Province's premiere polytech for trades and applied technology (RRC Polytech), the partnership FacultyCouncilApproved-BIOE-Agreement

enhances the reputation of both institutions in the Province, responds to labour market demands in Manitoba's key industry sectors, and aligns with the provincial government's vision for labour-market connected learning.

25. Have any challenges or barriers to this agreement been identified? If so, how will they be ameliorated?

Our immediate target is to establish the agreement and begin using it. Over the near- and medium-term, we will also engage with RRC Polytech to see where curriculum changes can support additional transfer credit provisions within the agreement.

Students entering the Price Faculty of Engineering under this agreement will be counted within the current enrolment capacity of the Price Faculty of Engineering, will be served by existing student advising staff, and will take courses currently offered and taught by existing faculty members. It is anticipated that up to 0.5 FTE of coordination time will be needed to support the agreement, which will be staffed out of existing resources.

ADDITIONAL INFORMATION

26. Please provide any additional information on the proposed program that is deemed relevant to this process. Append any supporting documentation, if required.

Students entering the Price Faculty of Engineering under this agreement will have access to all of the Price Faculty of Engineering and University of Manitoba services, facilities, and programming on the same basis as any other student.

We are very pleased to submit this proposal, building on momentum and genuine interest at both institutions to see this agreement in place.

Section C: Review and Approvals

Dean/Director: __ Marcia Friesen *M Friesen* _____

Date: __ 05 May 2025 __

Faculty Council: __ Engineering Faculty Council _____

Date: __ 28 May 2025 __

Senate Approval: Date: _____

UM PROVOST APPROVAL TO IMPLEMENT

Provost & Vice-President (Academic): _____

Date: _____

Additional Conditions:

PARTNER INSTITUTION APPROVAL

Name: _____ Position: _____

Signature: _____ Date: _____

For international agreements only: *following approval of the Senate articulation agreement, the next step will be to complete an International Articulation Agreement for approval by the Associate Vice President (Partnerships). Please contact the International Centre for further details.* Copies of the signed international articulation agreement must be sent to the Office of the Provost prior to program commencement.

International Articulation Agreement Required: Y N Date Received: _____

Signed copies to: *(action by Provost's Office)*

- | | | |
|--|-------------------------------------|---|
| <input type="checkbox"/> Dean's Office, Proposing UM Faculty | <input type="checkbox"/> Registrar | <input type="checkbox"/> University Secretary |
| <input type="checkbox"/> Partner Institution Signatory | <input type="checkbox"/> Admissions | <input type="checkbox"/> Office of Institutional Analysis |



ARTICULATION AGREEMENT COURSE MAPPING FORM

Please provide detailed mapping for the Partner's course experience to the UM equivalences. Mapping of courses must be assessed and approved by the UM unit responsible for delivering the corresponding course content. Courses should be grouped together by transfer type. Rows can be added or deleted as required. **Please attach course syllabi or course descriptions for the partner program's coursework.**

Questions related to the facilitation of course mapping and/or transfer credit can be directed to the UM Transfer Credit Evaluations Coordinator (Jeff Huston).

Table 1. Mechanical course transfers

| Partner Institution: Red River College Polytech | | | | UM Program: Biosystems Engineering | | | | |
|---|--|------------|----------------|------------------------------------|---|----------|--------------------------|---------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² | |
| C | ENGI 1043 Applied Mechanics | C | Y | ENG 1440 | Introduction to Statics | 3 | R | |
| C | ELEC 1061 Electrical/Electronic Fundamental AND ENGI 1076 Instrumentation and Control AND ENGI 1048 Mechatronics | C | Y | ENG 1450 | Introduction to Electrical and Computer Engineering | 3 | R | |
| C | ENGI 1159 Thermodynamics | C | Y | ENG 1460 | Introduction to Thermal Sciences | 3 | R | |
| C | MATH 1074 Calculus | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R | |
| C | MATH 1017 Applied Statistics | C | Y | STAT 2220 | Contemporary Statistics for Engineers | 3 | R | |
| C | ENGI 1152 Strength of Materials | C | Y | BIOE 2800 | Solid Mechanics | 4 | R | |
| C | ENGI 1037 Fluid Mechanics | C | Y | BIOE 2790 | Fluid Mechanics | 4 | R | |
| C | COMM 1234 Technical Communication AND ENGI 1051 Engineering Tech Project | C | Y | ENG 2040 | Engineering Communication | 3 | E | CS Elective |
| C | ENGI 1046 Engineering Materials AND ENGI 1101 Metallurgy | C | Y | MECH 2272 | Engineering Materials 1 | 4 | E | Free Elective |

¹ Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit. Where multiple transfer types exist, list courses in order of equivalent, unallocated, and block.

² Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

Table 2. Mechanical courses that must be instructed by a Professional Engineer

| Partner Institution: Red River College Polytech | | | | UM Program: Biosystems Engineering | | | |
|---|--|------------|----------------|------------------------------------|--|----------|--------------------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² |
| C | COMP 1153 Numerical Methods | C | Y | MECH 2150 | Mechanical Engineering Modelling and Numerical Methods | 4 | R |
| C | COMP 1154 Computer Aided Design AND ENGI 2035 Engineering Design II | C | Y | ENG 2022 | Engineering CAD Technology for Biosystems | 3 | R |

¹ Courses in Table 2 must be instructed by a Professional Engineer (P. Eng.) in order to receive transfer credit.



ARTICULATION AGREEMENT COURSE MAPPING FORM

Please provide detailed mapping for the Partner's course experience to the UM equivalences. Mapping of courses must be assessed and approved by the UM unit responsible for delivering the corresponding course content. Courses should be grouped together by transfer type. Rows can be added or deleted as required. **Please attach course syllabi or course descriptions for the partner program's coursework.**

Questions related to the facilitation of course mapping and/or transfer credit can be directed to the UM Transfer Credit Evaluations Coordinator (Jeff Huston).

Table 1. Municipal Engineering Technology Stream

| Partner Institution: Red River College Polytech | | | | UM Program: Biosystems Engineering | | | |
|---|---|------------|----------------|------------------------------------|--|----------|--------------------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² |
| C | CIVL 1013 Statics and Strength of Materials 1 AND CIVL 2025 Statics and Strength of Materials 2 | C | Y | ENG 1440 | Introduction to Statics | 3 | R |
| C | CIVL 2001 Calculus & Statistics | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R |
| C | CIVL 3026 Engineering Economics | C | Y | ENG 3000 | Engineering Economics | 3 | R |
| C | CIVL 1016 Technical Communication 1 AND CIVL 2027 Technical Communication 2 | C | Y | ENG 2040 | Engineering Communication: Strategies, Practice and Design | 3 | E |
| C | CIVL 1020 Professional Ethics | C | Y | PHIL 2XXX | Philosophy | 3 | E |
| C | CIVL 2066 Hydromatics | C | Y | BIOE 2790 | Fluid Mechanics | 4 | R |
| C | CIVL 2011 Geotechnical Materials 1 AND CIVL 3015 Geotechnical Materials 2 | C | Y | CIVL 3730 | Geotechnical Materials and Analysis | 4 | E |
| C | CIVL 3016 Hydrology | C | Y | CIVL 3750 | Hydrology | 4 | E |

CS Elective

CS Elective

CIVL 2790 Fluid Mechanics

Free Elective

Free Elective

¹ Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit.

Where multiple transfer types exist, list courses in order of equivalent, unallocated, and block.

² Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

Table 2. Structural Engineering Technology Stream

| Partner Institution: Red River College Polytech | | | | UM Program: Biosystems Engineering | | | |
|---|---|------------|----------------|------------------------------------|--|----------|--------------------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² |
| C | CIVL 1013 Statics and Strength of Materials 1 AND CIVL 2025 Statics and Strength of Materials 2 | C | Y | ENG 1440 | Introduction to Statics | 3 | R |
| C | CIVL 2001 Calculus & Statistics | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R |
| C | CIVL 3026 Engineering Economics | C | Y | ENG 3000 | Engineering Economics | 3 | R |
| C | CIVC 1044 Project Administration AND CIVL 3005 Applied Research Project | C | Y | BIOE 4240 | Graduation Project | 3 | R |
| C | CIVL 1016 Technical Communication 1 AND CIVL 2027 Technical Communication 2 | C | Y | ENG 2040 | Engineering Communication: Strategies, Practice and Design | 3 | E |
| C | CIVL 1020 Professional Ethics | C | Y | PHIL 2XXX | Philosophy | 3 | E |
| C | CIVL 3021 Foundation Design | C | Y | CIVL 4220 | Geotechnical Design | 4 | E |
| C | CIVL 2017 Reinforced Concrete Design 1 AND CIVL 3022 Reinforced Concrete Design 2 | C | Y | CIVL 4390 | Reinforced Concrete Structures | 4 | E |

CS Elective

CS Elective

Free Elective

Free Elective

¹ Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit.

² Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

Table 3. Environmental Engineering Technology Stream

| Partner Institution: Red River College Polytech | | | | UM Program: Biosystems Engineering | | | | |
|---|---|------------|----------------|------------------------------------|--|----------|--------------------------|---------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² | |
| C | CIVL 1013 Statics and Strength of Materials 1 AND CIVL 2025 Statics and Strength of Materials 2 | C | Y | ENG 1440 | Introduction to Statics | 3 | R | |
| C | CIVL 2001 Calculus & Statistics | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R | |
| C | CIVL 3026 Engineering Economics | C | Y | ENG 3000 | Engineering Economics | 3 | R | |
| C | CIVC 1044 Project Administration AND CIVL 3005 Applied Research Project | C | Y | BIOE 4240 | Graduation Project | 3 | R | |
| C | CIVL 1016 Technical Communication 1 AND CIVL 2027 Technical Communication 2 | C | Y | ENG 2040 | Engineering Communication: Strategies, Practice and Design | 3 | E | CS Elective |
| C | CIVL 1020 Professional Ethics | C | Y | PHIL 2XXX | Philosophy | 3 | E | CS Elective |
| C | CIVL 3016 Hydrology | C | Y | CIVL 3750 | Hydrology | 4 | E | Free Elective |
| C | CIVL 3007 Waste Management | C | Y | CIVL 4130 | Solid Waste Management | 4 | E | Free Elective |

¹ Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit.

² Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

Table 4. Geomatics Technology Stream

| Partner Institution: Red River College Polytech | | | | UM Program: Biosystems Engineering | | | | |
|---|---|------------|----------------|------------------------------------|--|----------|--------------------------|---------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² | |
| C | CIVL 1013 Statics and Strength of Materials 1 AND CIVL 2025 Statics and Strength of Materials 2 | C | Y | ENG 1440 | Introduction to Statics | 3 | R | |
| C | CIVL 2001 Calculus & Statistics | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R | |
| C | CIVL 3026 Engineering Economics | C | Y | ENG 3000 | Engineering Economics | 3 | R | |
| C | CIVL 1016 Technical Communication 1 AND CIVL 2027 Technical Communication 2 | C | Y | ENG 2040 | Engineering Communication: Strategies, Practice and Design | 3 | E | CS Elective |
| C | CIVL 1020 Professional Ethics | C | Y | PHIL 2XXX | Philosophy | 3 | E | CS Elective |
| C | CIVL 1014 Surveying 1, CIVL 2026 Surveying 2 AND CIVL 2009 Fundamentals of GIS | C | Y | CIVL 2840 | Civil Engineering Geomatics | 3 | E | Free Elective |

¹ Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit.

Where multiple transfer types exist, list courses in order of equivalent, unallocated, and block.

² Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

Biosystems Engineering – Articulation Agreement with RRC Polytech

Mechanical Engineering Technology Diploma Program

| Category | Course # | Course Name | Hours |
|--|---|---|------------------|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics ^{RRC1} | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering ^{RRC2} | 3 |
| | ENG 1460 | Introduction to Thermal Sciences ^{RRC3} | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 ^{RRC4} | 3 |
| | MATH 1710 | Applied Calculus 2 | 3 |
| | PHYS 1050 | Physics 1: Mechanics | 3 |
| | “W” elective | One course that satisfies the university “writing” requirement | 3 |
| | CS elective 1 | One complementary studies elective ^{RRC5} | 3 |
| Program courses and electives taught by the department | BIOE 2480 | Impact of Engineering on the Environment | 3 |
| | BIOE 2590 | Biology for Engineers | 4 |
| | BIOE 2790 | Fluid Mechanics ^{RRC6} | 4 |
| | BIOE 2800 | Solid Mechanics ^{RRC7} | 4 |
| | BIOE 2900 | Biosystems Engineering Design 1 | 4 |
| | BIOE 3110 | Heat Transfer in Biological Systems | 4 |
| | BIOE 3270 | Instrumentation and Measurement for Biosystems | 4 |
| | BIOE 3320 | Engineering Properties of Biological Materials | 4 |
| | BIOE 3400 | Design of Structural Components in Machines | 4 |
| | BIOE 3590 | Mechanics of Materials in Biosystems | 4 |
| | BIOE 3670 | Engineering Management of Waste Streams | 4 |
| | BIOE 3900 | Biosystems Engineering Design 2 | 4 |
| | BIOE 4240 | Graduation Project | 3 |
| | BIOE 4900 | Biosystems Engineering Design 3 | 4 |
| | BIOE 4950 | Biosystems Engineering Design 4 | 4 |
| | Design 1 | Lists available for each Specialization | 4 |
| Design 2 | Lists available for each Specialization | 4 | |
| Program courses taught by other academic departments | CHEM 1110 | Introduction to Chemistry 2: Interaction, Reactivity, and Chemical Properties | 3 |
| | CHEM 1126 | Introduction to Chemical Techniques for Engineering II (lab course) | 1.5 |
| | ENG 2022 | Engineering CAD Technology for Biosystems ^{RRC8} | 3 |
| | ENG 3000 | Engineering Economics | 3 |
| | MATH 2130 | Engineering Mathematical Analysis 1 | 3 |
| | MATH 2132 | Engineering Mathematical Analysis 2 | 3 |
| | MBIO 1220 | Essentials of Microbiology | 3 |
| | MECH 2150 | Mechanical Engineering Modelling and Numerical Methods ^{RRC9} | 4 |
| | MECH 3482 | Kinematics and Dynamics | 4 |
| | STAT 2220 | Contemporary Statistics for Engineers ^{RRC10} | 3 |
| Electives taught by other departments | T/S elective | One course in Technology and Society (ENG 3020 or ANTH 2430) | 3 |
| | “I” elective | One Indigenous Knowledge course (from the list provided) | 3 |
| | Science 1 | Lists available for each Specialization | 3 |
| | Science 2 | Lists available for each Specialization | 3 |
| | CS elective 2 | Lists available for each Specialization | 3 |
| | Free 1 | Lists available for each Specialization ^{RRC11} | 3 or 4 |
| | Free 2 | Lists available for each Specialization | 3 or 4 |
| | | Total Hours | 154 to 156 |

- RRC1 RRC Polytech Equivalent Course: ENGI 1043 Applied Mechanics
- RRC2 RRC Polytech Equivalent Course: ELEC 1061 Electrical/Electronic Fundamentals AND ENGI 1076 Instrumentation and Control AND ENGI 1048 Mechatronics
- RRC3 RRC Polytech Equivalent Course: ENGI 1159 Thermodynamics
- RRC4 RRC Polytech Equivalent Course: MATH 1074 Calculus
- RRC5 RRC Polytech Equivalent Course: COMM 1234 Technical Communication AND ENGI 1051 Engineering Tech Project (corresponds to UM ENG 2040 Engineering Communication)
- RRC6 RRC Polytech Equivalent Course: ENGI 1037 Fluid Mechanics
- RRC7 RRC Polytech Equivalent Course: ENGI 1152 Strength of Materials
- RRC8 RRC Polytech Equivalent Course: COMP 1154 Computer Aided Design AND ENGI 2035 Engineering Design II (ENGI 2035 must be taught by a registered professional engineer at RRC Polytech in order to receive transfer credit)
- RRC9 RRC Polytech Equivalent Course: COMP 1153 Numerical Methods (course must be taught by a registered professional engineer at RRC Polytech in order to receive transfer credit)
- RRC10 RRC Polytech Equivalent Course: MATH 1017 Applied Statistics
- RRC11 RRC Polytech Equivalent Course: ENGI 1046 Engineering Materials AND ENGI 1101 Metallurgy (corresponds to UM MECH 2272 Engineering Materials I)

Biosystems Engineering – Articulation Agreement with RRC Polytech

Civil Engineering Technology Diploma Program Municipal Engineering Technology Stream

| Category | Course # | Course Name | Hours |
|--|--|---|---|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics ^{RRC1} | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering | 3 |
| | ENG 1460 | Introduction to Thermal Sciences | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 ^{RRC2} | 3 |
| | MATH 1710 | Applied Calculus 2 | 3 |
| | PHYS 1050 | Physics 1: Mechanics | 3 |
| | “W” elective | One course that satisfies the university “writing” requirement | 3 |
| | CS elective 1 | One complementary studies elective ^{RRC3} | 3 |
| Program courses and electives taught by the department | BIOE 2480 | Impact of Engineering on the Environment | 3 |
| | BIOE 2590 | Biology for Engineers | 4 |
| | BIOE 2790 | Fluid Mechanics ^{RRC4} | 4 |
| | BIOE 2800 | Solid Mechanics | 4 |
| | BIOE 2900 | Biosystems Engineering Design 1 | 4 |
| | BIOE 3110 | Heat Transfer in Biological Systems | 4 |
| | BIOE 3270 | Instrumentation and Measurement for Biosystems | 4 |
| | BIOE 3320 | Engineering Properties of Biological Materials | 4 |
| | BIOE 3400 | Design of Structural Components in Machines | 4 |
| | BIOE 3590 | Mechanics of Materials in Biosystems | 4 |
| | BIOE 3670 | Engineering Management of Waste Streams | 4 |
| | BIOE 3900 | Biosystems Engineering Design 2 | 4 |
| | BIOE 4240 | Graduation Project | 3 |
| | BIOE 4900 | Biosystems Engineering Design 3 | 4 |
| | BIOE 4950 | Biosystems Engineering Design 4 | 4 |
| | Design 1 | Lists available for each Specialization | 4 |
| | Design 2 | Lists available for each Specialization | 4 |
| | Program courses taught by other academic departments | CHEM 1110 | Introduction to Chemistry 2: Interaction, Reactivity, and Chemical Properties |
| CHEM 1126 | | Introduction to Chemical Techniques for Engineering II (lab course) | 1.5 |
| ENG 2022 | | Engineering CAD Technology for Biosystems | 3 |
| ENG 3000 | | Engineering Economics ^{RRC5} | 3 |
| MATH 2130 | | Engineering Mathematical Analysis 1 | 3 |
| MATH 2132 | | Engineering Mathematical Analysis 2 | 3 |
| MBIO 1220 | | Essentials of Microbiology | 3 |
| MECH 2150 | | Mechanical Engineering Modelling and Numerical Methods | 4 |
| MECH 3482 | | Kinematics and Dynamics | 4 |
| STAT 2220 | | Contemporary Statistics for Engineers | 3 |
| Electives taught by other departments | T/S elective | One course in Technology and Society (ENG 3020 or ANTH 2430) | 3 |
| | “I” elective | One Indigenous Knowledge course (from the list provided) | 3 |
| | Science 1 | Lists available for each Specialization | 3 |
| | Science 2 | Lists available for each Specialization | 3 |
| | CS elective 2 | Lists available for each Specialization ^{RRC6} | 3 |
| | Free 1 | Lists available for each Specialization ^{RRC7} | 3 or 4 |
| | Free 2 | Lists available for each Specialization ^{RRC8} | 3 or 4 |
| | | Total Hours | 154 to 156 |

- RRC1 RRC Polytech Equivalent Course: CIVL 1013 Statics and Strength of Materials 1 AND CIVL 2025 Statics and Strength of Materials 2
- RRC2 RRC Polytech Equivalent Course: CIVL 2001 Calculus & Statistics
- RRC3 RRC Polytech Equivalent Course: CIVL 1016 Technical Communication 1 AND CIVL 2027 Technical Communication 2 (corresponds to UM ENG 2040 Engineering Communication)
- RRC4 RRC Polytech Equivalent Course: CIVL 2066 Hydromatics
- RRC5 RRC Polytech Equivalent Course: CIVL 3026 Engineering Economics
- RRC6 RRC Polytech Equivalent Course: CIVL 1020 Professional Ethics (corresponds to UM PHIL 2XXX)
- RRC7 RRC Polytech Equivalent Course: CIVL 2011 Geotechnical Materials 1 AND CIVL 3015 Geotechnical Materials 2 (corresponds to UM CIVL 3730 Geotechnical Materials and Analysis)
- RRC8 RRC Polytech Equivalent Course: CIVL 3016 Hydrology (corresponds to UM CIVL 3750 Hydrology)

Biosystems Engineering – Articulation Agreement with RRC Polytech

Civil Engineering Technology Diploma Program Structural Engineering Technology Stream

| Category | Course # | Course Name | Hours |
|--|---------------|---|------------|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics ^{RRC1} | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering | 3 |
| | ENG 1460 | Introduction to Thermal Sciences | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 ^{RRC2} | 3 |
| | MATH 1710 | Applied Calculus 2 | 3 |
| | PHYS 1050 | Physics 1: Mechanics | 3 |
| | “W” elective | One course that satisfies the university “writing” requirement | 3 |
| | CS elective 1 | One complementary studies elective ^{RRC3} | 3 |
| Program courses and electives taught by the department | BIOE 2480 | Impact of Engineering on the Environment | 3 |
| | BIOE 2590 | Biology for Engineers | 4 |
| | BIOE 2790 | Fluid Mechanics | 4 |
| | BIOE 2800 | Solid Mechanics | 4 |
| | BIOE 2900 | Biosystems Engineering Design 1 | 4 |
| | BIOE 3110 | Heat Transfer in Biological Systems | 4 |
| | BIOE 3270 | Instrumentation and Measurement for Biosystems | 4 |
| | BIOE 3320 | Engineering Properties of Biological Materials | 4 |
| | BIOE 3400 | Design of Structural Components in Machines | 4 |
| | BIOE 3590 | Mechanics of Materials in Biosystems | 4 |
| | BIOE 3670 | Engineering Management of Waste Streams | 4 |
| | BIOE 3900 | Biosystems Engineering Design 2 | 4 |
| | BIOE 4240 | Graduation Project ^{RRC4} | 3 |
| | BIOE 4900 | Biosystems Engineering Design 3 | 4 |
| | BIOE 4950 | Biosystems Engineering Design 4 | 4 |
| | Design 1 | Lists available for each Specialization | 4 |
| | Design 2 | Lists available for each Specialization | 4 |
| Program courses taught by other academic departments | CHEM 1110 | Introduction to Chemistry 2: Interaction, Reactivity, and Chemical Properties | 3 |
| | CHEM 1126 | Introduction to Chemical Techniques for Engineering II (lab course) | 1.5 |
| | ENG 2022 | Engineering CAD Technology for Biosystems | 3 |
| | ENG 3000 | Engineering Economics ^{RRC5} | 3 |
| | MATH 2130 | Engineering Mathematical Analysis 1 | 3 |
| | MATH 2132 | Engineering Mathematical Analysis 2 | 3 |
| | MBIO 1220 | Essentials of Microbiology | 3 |
| | MECH 2150 | Mechanical Engineering Modelling and Numerical Methods | 4 |
| | MECH 3482 | Kinematics and Dynamics | 4 |
| | STAT 2220 | Contemporary Statistics for Engineers | 3 |
| Electives taught by other departments | T/S elective | One course in Technology and Society (ENG 3020 or ANTH 2430) | 3 |
| | “I” elective | One Indigenous Knowledge course (from the list provided) | 3 |
| | Science 1 | Lists available for each Specialization | 3 |
| | Science 2 | Lists available for each Specialization | 3 |
| | CS elective 2 | Lists available for each Specialization ^{RRC6} | 3 |
| | Free 1 | Lists available for each Specialization ^{RRC7} | 3 or 4 |
| | Free 2 | Lists available for each Specialization ^{RRC8} | 3 or 4 |
| | | Total Hours | 154 to 156 |

- RRC1 RRC Polytech Equivalent Course: CIVL 1013 Statics and Strength of Materials 1 AND CIVL 2025 Statics and Strength of Materials 2
- RRC2 RRC Polytech Equivalent Course: CIVL 2001 Calculus & Statistics
- RRC3 RRC Polytech Equivalent Course: CIVL 1016 Technical Communication 1 AND CIVL 2027 Technical Communication 2 (corresponds to UM ENG 2040 Engineering Communication)
- RRC4 RRC Polytech Equivalent Course: CIVC 1044 Project Administration AND CIVL 3005 Applied Research Project
- RRC5 RRC Polytech Equivalent Course: CIVL 3026 Engineering Economics
- RRC6 RRC Polytech Equivalent Course: CIVL 1020 Professional Ethics (corresponds to UM PHIL 2XXX)
- RRC7 RRC Polytech Equivalent Course: CIVL 3021 Foundation Design (corresponds to UM CIVL 4220 Geotechnical Design)
- RRC8 RRC Polytech Equivalent Course: CIVL 2017 Reinforced Concrete Design 1 AND CIVL 3022 Reinforced Concrete Design 2 (corresponds to UM CIVL 4390 Reinforced Concrete Structures)

Biosystems Engineering – Articulation Agreement with RRC Polytech

Civil Engineering Technology Diploma Program Environmental Engineering Technology Stream

| Category | Course # | Course Name | Hours |
|--|---------------|---|------------|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics ^{RRC1} | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering | 3 |
| | ENG 1460 | Introduction to Thermal Sciences | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 ^{RRC2} | 3 |
| | MATH 1710 | Applied Calculus 2 | 3 |
| | PHYS 1050 | Physics 1: Mechanics | 3 |
| | “W” elective | One course that satisfies the university “writing” requirement | 3 |
| | CS elective 1 | One complementary studies elective ^{RRC3} | 3 |
| Program courses and electives taught by the department | BIOE 2480 | Impact of Engineering on the Environment | 3 |
| | BIOE 2590 | Biology for Engineers | 4 |
| | BIOE 2790 | Fluid Mechanics | 4 |
| | BIOE 2800 | Solid Mechanics | 4 |
| | BIOE 2900 | Biosystems Engineering Design 1 | 4 |
| | BIOE 3110 | Heat Transfer in Biological Systems | 4 |
| | BIOE 3270 | Instrumentation and Measurement for Biosystems | 4 |
| | BIOE 3320 | Engineering Properties of Biological Materials | 4 |
| | BIOE 3400 | Design of Structural Components in Machines | 4 |
| | BIOE 3590 | Mechanics of Materials in Biosystems | 4 |
| | BIOE 3670 | Engineering Management of Waste Streams | 4 |
| | BIOE 3900 | Biosystems Engineering Design 2 | 4 |
| | BIOE 4240 | Graduation Project ^{RRC4} | 3 |
| | BIOE 4900 | Biosystems Engineering Design 3 | 4 |
| | BIOE 4950 | Biosystems Engineering Design 4 | 4 |
| | Design 1 | Lists available for each Specialization | 4 |
| | Design 2 | Lists available for each Specialization | 4 |
| Program courses taught by other academic departments | CHEM 1110 | Introduction to Chemistry 2: Interaction, Reactivity, and Chemical Properties | 3 |
| | CHEM 1126 | Introduction to Chemical Techniques for Engineering II (lab course) | 1.5 |
| | ENG 2022 | Engineering CAD Technology for Biosystems | 3 |
| | ENG 3000 | Engineering Economics ^{RRC5} | 3 |
| | MATH 2130 | Engineering Mathematical Analysis 1 | 3 |
| | MATH 2132 | Engineering Mathematical Analysis 2 | 3 |
| | MBIO 1220 | Essentials of Microbiology | 3 |
| | MECH 2150 | Mechanical Engineering Modelling and Numerical Methods | 4 |
| | MECH 3482 | Kinematics and Dynamics | 4 |
| | STAT 2220 | Contemporary Statistics for Engineers | 3 |
| Electives taught by other departments | T/S elective | One course in Technology and Society (ENG 3020 or ANTH 2430) | 3 |
| | “I” elective | One Indigenous Knowledge course (from the list provided) | 3 |
| | Science 1 | Lists available for each Specialization | 3 |
| | Science 2 | Lists available for each Specialization | 3 |
| | CS elective 2 | Lists available for each Specialization ^{RRC6} | 3 |
| | Free 1 | Lists available for each Specialization ^{RRC7} | 3 or 4 |
| | Free 2 | Lists available for each Specialization ^{RRC8} | 3 or 4 |
| | | Total Hours | 154 to 156 |

- RRC1** RRC Polytech Equivalent Course: CIVL 1013 Statics and Strength of Materials 1 AND CIVL 2025 Statics and Strength of Materials 2
- RRC2** RRC Polytech Equivalent Course: CIVL 2001 Calculus & Statistics
- RRC3** RRC Polytech Equivalent Course: CIVL 1016 Technical Communication 1 AND CIVL 2027 Technical Communication 2 (corresponds to UM ENG 2040 Engineering Communication)
- RRC4** RRC Polytech Equivalent Course: CIVC 1044 Project Administration AND CIVL 3005 Applied Research Project
- RRC5** RRC Polytech Equivalent Course: CIVL 3026 Engineering Economics
- RRC6** RRC Polytech Equivalent Course: CIVL 1020 Professional Ethics (corresponds to UM PHIL 2XXX)
- RRC7** RRC Polytech Equivalent Course: CIVL 3016 Hydrology (corresponds to UM CIVL 3750 Hydrology)
- RRC8** RRC Polytech Equivalent Course: CIVL 3007 Waste Management (corresponds to UM CIVL 4130 Solid Waste Management)

Biosystems Engineering – Articulation Agreement with RRC Polytech

Civil Engineering Technology Diploma Program Geomatics Technology Stream

| Category | Course # | Course Name | Hours |
|--|--|---|---|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics ^{RRC1} | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering | 3 |
| | ENG 1460 | Introduction to Thermal Sciences | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 ^{RRC2} | 3 |
| | MATH 1710 | Applied Calculus 2 | 3 |
| | PHYS 1050 | Physics 1: Mechanics | 3 |
| | “W” elective | One course that satisfies the university “writing” requirement | 3 |
| | CS elective 1 | One complementary studies elective ^{RRC3} | 3 |
| Program courses and electives taught by the department | BIOE 2480 | Impact of Engineering on the Environment | 3 |
| | BIOE 2590 | Biology for Engineers | 4 |
| | BIOE 2790 | Fluid Mechanics | 4 |
| | BIOE 2800 | Solid Mechanics | 4 |
| | BIOE 2900 | Biosystems Engineering Design 1 | 4 |
| | BIOE 3110 | Heat Transfer in Biological Systems | 4 |
| | BIOE 3270 | Instrumentation and Measurement for Biosystems | 4 |
| | BIOE 3320 | Engineering Properties of Biological Materials | 4 |
| | BIOE 3400 | Design of Structural Components in Machines | 4 |
| | BIOE 3590 | Mechanics of Materials in Biosystems | 4 |
| | BIOE 3670 | Engineering Management of Waste Streams | 4 |
| | BIOE 3900 | Biosystems Engineering Design 2 | 4 |
| | BIOE 4240 | Graduation Project | 3 |
| | BIOE 4900 | Biosystems Engineering Design 3 | 4 |
| | BIOE 4950 | Biosystems Engineering Design 4 | 4 |
| | Design 1 | Lists available for each Specialization | 4 |
| | Design 2 | Lists available for each Specialization | 4 |
| | Program courses taught by other academic departments | CHEM 1110 | Introduction to Chemistry 2: Interaction, Reactivity, and Chemical Properties |
| CHEM 1126 | | Introduction to Chemical Techniques for Engineering II (lab course) | 1.5 |
| ENG 2022 | | Engineering CAD Technology for Biosystems | 3 |
| ENG 3000 | | Engineering Economics ^{RRC4} | 3 |
| MATH 2130 | | Engineering Mathematical Analysis 1 | 3 |
| MATH 2132 | | Engineering Mathematical Analysis 2 | 3 |
| MBIO 1220 | | Essentials of Microbiology | 3 |
| MECH 2150 | | Mechanical Engineering Modelling and Numerical Methods | 4 |
| MECH 3482 | | Kinematics and Dynamics | 4 |
| STAT 2220 | | Contemporary Statistics for Engineers | 3 |
| Electives taught by other departments | T/S elective | One course in Technology and Society (ENG 3020 or ANTH 2430) | 3 |
| | “I” elective | One Indigenous Knowledge course (from the list provided) | 3 |
| | Science 1 | Lists available for each Specialization | 3 |
| | Science 2 | Lists available for each Specialization | 3 |
| | CS elective 2 | Lists available for each Specialization ^{RRC5} | 3 |
| | Free 1 | Lists available for each Specialization ^{RRC6} | 3 or 4 |
| | Free 2 | Lists available for each Specialization | 3 or 4 |
| | | Total Hours | 154 to 156 |

- RRC1** RRC Polytech Equivalent Course: CIVL 1013 Statics and Strength of Materials 1 AND CIVL 2025 Statics and Strength of Materials 2
- RRC2** RRC Polytech Equivalent Course: CIVL 2001 Calculus & Statistics
- RRC3** RRC Polytech Equivalent Course: CIVL 1016 Technical Communication 1 AND CIVL 2027 Technical Communication 2 (corresponds to UM ENG 2040 Engineering Communication)
- RRC4** RRC Polytech Equivalent Course: CIVL 3026 Engineering Economics
- RRC5** RRC Polytech Equivalent Course: CIVL 1020 Professional Ethics (corresponds to UM PHIL 2XXX)
- RRC6** RRC Polytech Equivalent Course: CIVL 1014 Surveying 1, CIVL 2026 Surveying 2 AND CIVL 2009 Fundamentals of GIS (corresponds to UM CIVL 2840 Civil Engineering Geomatics)



University
of Manitoba

Price Faculty of Engineering

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20 August 2025

Mr. Jeff Leclerc
University Secretary
University of Manitoba
Winnipeg, MB R3T 2N2

by email: Jeff.Leclerc@UManitoba.ca

And

Dr. Greg Smith
Vice Provost (Academic Planning & Programs)
University of Manitoba
Winnipeg, MB R3T 2N2

by email: Greg.Smith@UManitoba.ca

Re: Proposal for additional Articulation Agreements between the Price Faculty of Engineering (Electrical Engineering and Computer Engineering programs) and RRC Polytech

Dear Mr. Leclerc and Dr. Smith,

In winter 2025, the University Senate approved two articulation agreements between the Price Faculty of Engineering (Department of Mechanical Engineering) and the Price Faculty of Engineering (Department of Civil Engineering) and the respective engineering technology programs at RRC Polytech. An additional agreement between the Price Faculty of Engineering (Department of Biosystems Engineering) and the respective engineering technology programs at RRC Polytech is currently in submission to Senate subcommittees.

Attached please find our final submission for two additional articulation agreements between the Price Faculty of Engineering and RRC Polytech, for articulation from three RRC Polytech engineering technology programs into the Price Faculty of Engineering's **electrical engineering and computer engineering degree programs**. This proposal was endorsed at Engineering Faculty Council on August 19, 2025.

The proposal reflects the same structure as the previously-approved agreements into the Price Faculty of Engineering mechanical, civil, and biosystems engineering programs, inclusive of the guidance and revisions requested by SCADM and SCCCC in the afore-mentioned approvals and clarity around registration processes discussed with the Registrar's Office during implementation.

umanitoba.ca/engineering



The key features of the proposed agreements are:

- Renewed analysis and updating of transfer credit provisions for RRC Polytech graduates, taking into account our accreditation requirements for minimum levels of design content and P.Eng. instruction in the critical path of a student's program. This provides clarity over the current course-by-course based approach to transfer credit evaluation.
- RRC Polytech graduates are admitted to the Price Faculty of Engineering on the basis of RRC Polytech diploma completion (rather than high school marks) to a guaranteed allocation of seats in our programs.
- RRC Polytech graduate are admitted directly into their program of choice (rather than into the preliminary year), ensuring they have access to the discipline of their RRC Polytech diploma program.

Over time, we will work jointly with RRC Polytech to augment the transfer credit opportunities.

This initiative is strongly supported by the Presidents and Vice-Presidents (Academic) at both institutions, the Engineering Technology programs' leadership at RRC Polytech, and by our industry community as evidenced in the attached letters of support.

The proposed articulation agreement does not diminish any existing programs within the Price Faculty of Engineering. It can be fully implemented using the existing resources in the Price Faculty of Engineering. The proposed articulation agreement does not require any new resources nor any re-allocation of resources away from other units.

I look forward to working with UM on bringing this third articulation agreement to fruition. Please do not hesitate to reach out to me at Marcia.Friesen@UManitoba.ca or 204-474-9806 for discussion.

Sincerely,

Marcia Friesen, Ph.D., P.Eng.
Dean, Price Faculty of Engineering

Attached:

- Proposal document from the Department of Electrical & Computer Engineering
- Course Mapping and Program Chart documents
- Letters of Support
- Course Outlines



SENATE ARTICULATION AGREEMENT PROPOSAL

Section A: UM Program and Partner Information

1. **Agreement Type:** New Renewal Domestic International

2. **Name and Address of Partner Institution:**

RRC Polytech - School of Skilled Trades and Technologies
2055 Notre Dame Ave.
Winnipeg, MB R3H 0J9

3. **UM Program Contact:**

Name: Marcia Friesen

Designation: Dean, Price Faculty of
Engineering

Email: Marcia.Friesen@umanitoba.ca

Phone: 204-474-9806

Signature: _____

Date: 19 August 2025

4. **Name and designation of contact person from partner institution (*include full contact information*):**

Name: Derek Kochenash

Designation: Dean, School of Skilled Trades
and Technologies

Address: A1-34 – 2055 Notre Dame Avenue, Winnipeg, MB R2H 0J9

Email: DKochenash@RRC.CA

Phone: 204-632-3990

5. **Name and designation of signing authority for the partner institution (*include full contact information*):**

Name: Christine Watson

Designation: Vice President - Academic

Address: C7, 2055 Notre Dame Ave., Winnipeg, MB R0R 0R0

Email: CEWatson@RRC.CA

Phone: 204-632-2380

Section B: Articulation Program Proposal

PROGRAM INFORMATION

6. **UM Faculty/College/School:** Price Faculty of Engineering
UM Department: Electrical and Computer Engineering
UM Program to which advanced entry is sought (*provide program name and credential*).

Bachelor of Science in Engineering (Electrical)

7. **Program at Partner Institution from which advanced entry is sought (*provide program name and credential*).**

Diploma in Electrical Engineering Technology

<https://catalogue.rrc.ca/Programs/WPG/Fulltime/ELEGF-DP>

Diploma in Electronic Engineering Technology

<https://catalogue.rrc.ca/Programs/WPG/Fulltime/ELEEF-DP>

Diploma in Instrumentation and Control Engineering Technology

<https://catalogue.rrc.ca/Programs/WPG/Fulltime/INSCF-DP>

8. **Start date (*number of years for which the agreement is proposed to run, generally to a maximum of 5 years*).**

Start Date: September 2026

Period (yrs.): 5 years

9. **Combined duration of the articulation program, in years and credit hours [e.g. 4 years (120 credit hours) – Partner 2 (60 credit hours) + UM 2 (60 credit hours)].**

Because of the prerequisite chains that exist, it is likely to take 3.5-4 years at UM to complete the Electrical Engineering degree after completion of the corresponding RRC Polytech diploma program. The list below overviews of the number of courses in the Electrical Engineering program for which transfer credit will be granted and the remaining number of credit hours of coursework to be completed at the University of Manitoba. Depending on the electives selected, the total number of credit hours to complete the UM Electrical Engineering program is 159.5–164.5.

Electrical Engineering Technology Program (2.6 years RRC Polytech + 3.5 years UM = 6.1 years)

- Transfer credits granted for 11 courses (41 credit hours) in UM Electrical Engineering program; 118.5 credit hours of coursework remaining

Electronic Engineering Technology Program (2.6 years RRC Polytech + 3.5 years UM = 6.1 years)

- Transfer credits granted for 11 courses (40 credit hours) in UM Electrical Engineering program; 119.5 credit hours of coursework remaining

Instrumentation and Control Engineering Technology Program (2.6 years RRC Polytech + 3.5 years UM = 6.1 years)

- Transfer credits granted for 11 courses (40 credit hours) in UM Electrical Engineering program; 119.5 credit hours of coursework remaining

10. **If applicable, will students be able to participate in a co-op option in the program?**

Y N NA

11. **Detail any costs accrued to the UM arising from this proposal. Costs should include any resources required to support the program and any tuition and/or fee implications, including application fees.**

A letter from the budget Dean detailing how any costs will be met must accompany the completed proposal.

RRC Polytech students admitted into the agreement will pay the regular University of Manitoba application fee and the University of Manitoba tuition fees for either domestic or international students. The Price Faculty of Engineering Student Services office and the Electrical and Computer Engineering department office, with the assistance of Enrolment Services, will manage the course mapping of students entering the UM under this agreement. Students opting for the Co-op/Internship Program will use the same pathway as any other Price Faculty of Engineering student applying for the program.

An initial workload to establish communication about the agreement (website for students arriving within the agreement) and develop the necessary processes and documentation will be addressed with existing resources.

It is expected that the advising of students within the agreement will be incorporated into the roles of existing student services and undergraduate advising staff, and that tracking of students for statistical purposes will be incorporated into the existing student services staff and data coordinator's roles.

12. **Outline any additional interactions planned in relation to the agreement. For example, formal interactions with the faculty and staff at the partner institution; development of joint curriculum between institutions, etc. Please describe.**

To develop this agreement, Price Faculty of Engineering and RRC Polytech faculty and staff have met and exchanged information regularly over the period of two years regarding respective program requirements and course outlines. Course evaluation and course mapping have been completed based on current curriculum at both institutions.

During the period of the agreement, the Associate Dean (Undergraduate) and Department Head (Electrical and Computer Engineering) or their designates will meet with their RRC Polytech counterparts 1-2 times/year to review status and functioning of the agreement, and to review and incorporate any curriculum changes within either program.

STUDENT SELECTION AND SUPPORT

13. **Number of students to be admitted at each intake.**

Expected No. 3-10

Maximum No. 10

14. **Is advanced standing limited to graduates of the partner institution program?** Y N

15. Provide details of the program requirements, highlighting where students will receive advanced standing in the UM program and outlining the course and any other program requirements/outcomes that students must meet at UM to obtain their degree.

Append the following: (i) Articulation Course Mapping form; (ii) a revised program chart, indicating which courses students will have completed at the partner institution and which will be completed at UM; and (iii) all applicable course syllabi from the partner program.

The agreement is formulated around three foundational aspects:

1. Adjusted admission requirements:
 - a. Admission will be offered to graduates of the Electrical Engineering Technology diploma program at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all courses was C or better.
 - b. Admission will be offered to graduates of the Electronic Engineering Technology diploma program at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all courses was C or better.
 - c. Admission will be offered to graduates of the Instrumentation and Control Engineering Technology diploma program at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all courses was C or better.
2. Guaranteed allocation of seats in the program: RRC Polytech graduates will be accepted directly into the second-year Electrical Engineering Program, bypassing the competitive process normally applied to Preliminary Year students applying to departmental programs and are guaranteed a seat within the Price Faculty of Engineering seat capacity. These students will be required to complete all normal program requirements, including completing preliminary courses that did not receive transfer credit.
3. Course transfer agreements are outlined on the attached course mapping tables.

16. Describe the entry pathway for admission and selection for articulation at UM. Include information on admission requirements, including minimum GPA requirements and English language requirements, should they fall outside the standard UM requirements.

International agreements should identify and address the role of a UM faculty member (or representative) in the student selection process.

1. Eligible applicants are those who have completed one of the Electrical Engineering Technology diploma program, the Electronic Engineering Technology diploma program, or the Instrumentation and Control Engineering Technology diploma program at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all required courses was C or better.
2. Up to 10 qualifying RRC Polytech graduates will be admitted into the Bachelor of Science in Engineering (Electrical) program per year. In the event that there are more than 10 eligible applicants in a given year, admission will be offered on the basis of the cumulative grade point average (CGPA) of the diploma in rank order. Applicants who do not rank in the top 10 will be considered along with other Engineering program applicants based on the ranking of their Adjusted Grade Point Average (AGPA) and only if they meet all Engineering program application requirements.
3. A maximum of 60 credit hours can be transferred into the Bachelor of Science in Engineering (Electrical) program. In all cases, the applicant must have earned a grade of C or better in the course in the transferable credits.
4. RRC Polytech applicants are admitted solely on the basis of their RRC Polytech coursework. Any additional post-secondary work will be assessed on a case-by-case basis for potential transfer credit, up to a maximum of 60 credit hours of transferable credits.
5. Applicants whose primary language is not English and who do not qualify for a waiver under the University of Manitoba's English Language proficiency regulations will be required to

demonstrate proficiency in English through one of the options listed on the University of Manitoba Admissions website.

17. Outline any recruitment strategies associated with the proposed program. Include information on efforts by both the UM and partner institution where applicable.

The agreement will include the development of informational and promotional material designed for RRC Polytech students as the audience, including print materials and a web presence both on the RRC Polytech and Price Faculty of Engineering websites. Active promotion of the agreement to RRC Polytech students will take place through regularly scheduled on-site recruitment at RRC Polytech as well as information sessions and tours of the Price Faculty of Engineering, and information sessions for RRC Polytech faculty awareness.

18. What types of student support will the UM be required to provide to students participating in this program? This could include such things as orientation, advisory services, accommodation, language courses, etc.

The student supports in the Price Faculty of Engineering and the University of Manitoba will be available to students arriving under this agreement. Additional training to Price Faculty of Engineering student advisors will take place to advise students arriving under this agreement.

QUALITY ASSURANCE

19. Please indicate how often the agreement will be reviewed as well as an outline of the review process.

The agreement will be comprehensively reviewed every five years to assess each partner's desire to continue with an agreement, as well as to determine any structural changes which may need to be made (e.g. admission requirements or course mappings). On an ongoing basis, the agreement will include a bi-annual review of course mapping via syllabi examination and consultation with instructors and unit heads at each institution, an annual review of student performance, and meetings between agreement partners on an annual basis, at minimum.

20. Outline how feedback will be provided to the partner institution in terms of student performance.

The partner institution will be provided with summary reports that include student intake, program selections, academic performance, and graduation data. In-person meetings between agreement partners will be held on an annual basis, at minimum.

21. If the UM program is accredited by an external body, will the proposed articulation impact the accreditation? If so, what steps are required to maintain accredited status?

The Electrical Engineering program is accredited by the Canadian Engineering Accreditation Board (CEAB). CEAB regulations contemplate transfer credit, which form the basis of this agreement. Key requirements are that at least 50% of the program as well as significant design experiences (e.g. capstone design) must be completed within the Price Faculty of Engineering at The University of Manitoba. Further, programs need to provide evidence that the CEAB curriculum content and quality criteria are met by all students – that is, that all students take the minimum critical path. This agreement operates within these accreditation requirements.

22. What mechanisms are in place to allow any students on the articulation pathway to complete their studies should the articulation be withdrawn?

In the event that the articulation agreement is withdrawn, students on the articulation pathway will be treated as regular transfer students in their degree programs.

23. What is the partner institution's policy on academic freedom? What are the implications of this (if any) on course content.

RRC Polytech students have freedom of expression, spirituality, assembly and participation in college community and student associations. These rights are outlined in Section 4.4 *Non Academic Rights of the Student Code of Rights and Responsibilities*.

<https://www.rrc.ca/legal/policies/student-code-of-rights-and-responsibilities/>

RRC Polytech faculty and instructors also have freedom to participate in scholarly activities in any way they choose within set ethical guidelines, and whilst not being forced to participate. These principles are outlined in section 4.1 of the *Research and Scholarly Activity Policy*.

<https://www.rrc.ca/legal/policies/research-and-scholarly-activity/>

BENEFIT ANALYSIS

24. Outline the anticipated benefits expected from this agreement to the partners and students.

The agreement offers a pathway for RRC Polytech graduates to be admitted to the Price Faculty of Engineering on the basis of their RRC Polytech credentials and complete an undergraduate engineering degree with an assured transfer credit provision.

The agreement provides opportunities for students to expand their career credentials by offering RRC Polytech graduates a pathway toward an engineering degree, which is the foundation for subsequent P.Eng. licensure. The dual credential of an engineering technology diploma and an engineering degree is recognized as a highly effective combination in the marketplace, demonstrative of a broad applied and theoretical knowledge and skill set.

As the Province's only research university and professional engineering school (UM) and as the Province's premiere polytech for trades and applied technology (RRC Polytech), the partnership enhances the reputation of both institutions in the Province, responds to labour market demands in Manitoba's key industry sectors, and aligns with the provincial government's vision for labour-market connected learning.

25. Have any challenges or barriers to this agreement been identified? If so, how will they be ameliorated?

Our immediate target is to establish the agreement and begin using it. Over the near- and medium-term, we will also engage with RRC Polytech to see where curriculum changes can support additional transfer credit provisions within the agreement.

Students entering the Price Faculty of Engineering under this agreement will be counted within the current enrolment capacity of the Price Faculty of Engineering, will be served by existing student advising staff, and will take courses currently offered and taught by existing faculty members. It is anticipated that up to 0.5 FTE of coordination time will be needed to support the agreement, which will be staffed out of existing resources.

ADDITIONAL INFORMATION

26. Please provide any additional information on the proposed program that is deemed relevant to this process. Append any supporting documentation, if required.

1.1-ElecE-RRCAgreement

Students entering the Price Faculty of Engineering under this agreement will have access to all of the Price Faculty of Engineering and University of Manitoba services, facilities, and programming on the same basis as any other student.

We are very pleased to submit this proposal, building on momentum and genuine interest at both institutions to see this agreement in place.

Section C: Review and Approvals

Dean/Director: __ Marcia Friesen _____

Date: __ 01 Aug 2025 ____

Faculty Council: __ Engineering Faculty Council _____

Date: __ 19 Aug 2025 ____

Senate Approval: Date: _____

UM PROVOST APPROVAL TO IMPLEMENT

Provost & Vice-President (Academic): _____

Date: _____

Additional Conditions:

PARTNER INSTITUTION APPROVAL

Name: _____ Position: _____

Signature: _____ Date: _____

For international agreements only: following approval of the Senate articulation agreement, the next step will be to complete an International Articulation Agreement for approval by the Associate Vice President (Partnerships). **Please contact the International Centre for further details.** Copies of the signed international articulation agreement must be sent to the Office of the Provost prior to program commencement.

International Articulation Agreement Required: Y N Date Received: _____

Signed copies to: (action by Provost's Office)

- | | | |
|--|-------------------------------------|---|
| <input type="checkbox"/> Dean's Office, Proposing UM Faculty | <input type="checkbox"/> Registrar | <input type="checkbox"/> University Secretary |
| <input type="checkbox"/> Partner Institution Signatory | <input type="checkbox"/> Admissions | <input type="checkbox"/> Office of Institutional Analysis |



ARTICULATION AGREEMENT COURSE MAPPING FORM

Please provide detailed mapping for the Partner's course experience to the UM equivalences. Mapping of courses must be assessed and approved by the UM unit responsible for delivering the corresponding course content. Courses should be grouped together by transfer type. Rows can be added or deleted as required. **Please attach course syllabi or course descriptions for the partner program's coursework.**

Questions related to the facilitation of course mapping and/or transfer credit can be directed to the UM Transfer Credit Evaluations Coordinator (Jeff Huston).

Table 1. Electrical Engineering Technology Stream

| Partner Institution: Red River College Polytech | | | | UM Program: Electrical Engineering | | | | |
|---|--|------------|----------------|------------------------------------|--|----------|--------------------------|---------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² | |
| C | MATH-2013 Calculus | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R | |
| C | MATH-2013 Calculus AND CTRL-1001 Linear Controls | C | Y | MATH 1710 | Applied Calculus 2 | 3 | R | |
| C | PHYS-1001 Physics 1 AND PHYS-2001 Physics 2 | C | Y | PHYS 1050 | Physics 1: Mechanics | 3 | R | |
| C | CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic | C | Y | ENG 1450 | Introduction to ECE | 3 | R | |
| C | COMM-1152 Technical Communications AND COMM-3005 Technical Thesis AND PROJ-3002 Final Project | C | Y | ENG 2040 | Engineering Communication: Strategies, Practice and Design | 3 | R | |
| C | DIGI-1003 Digital Logic | C | Y | ECE 2220 | Digital Logic Systems | 5 | R | |
| C | CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3002 Final Project | C | Y | ECE 2262 | Electric Circuits | 4 | R | |
| C | DEVC-2003 Power Electronics 1 AND DEVC-2004 Semiconductor Devices AND DEVC-3001 Power Electronics 2 | C | Y | ECE 2160 | Electronics 2E | 5 | R | |
| C | MACH-1092 Electrical Machines 1 AND MACH-2000 Electrical Machines 2 AND TRAN-1000 Transformers | C | Y | ECE 3720 | Electric Power and Machines | 4 | R | |
| C | CODE-2001 Electrical Practices and Design AND PROJ-2000 Project Management AND WRKS-1037 Introduction to Quality | C | Y | ECE 4850 | Topics in Electrical and Computer Engineering 1 | 4 | E | Free Elective |
| C | DCOM-1001 Digital Communications AND PLCS-1110 PLCs 1 AND PLCS-2111 PLCs 2 | C | Y | ECE 4860 | Topics in Electrical and Computer Engineering 2 | 4 | E | Free Elective |

¹ Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit. Where multiple transfer types exist, list courses in order of equivalent, unallocated, and block.

² Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

Table 2. Electronic Engineering Technology Stream

| Partner Institution: Red River College Polytech | | | | UM Program: Electrical Engineering | | | | |
|---|---|------------|----------------|------------------------------------|---|----------|--------------------------|---------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² | |
| C | MATH-2013 Calculus | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R | |
| C | MATH-2013 Calculus AND MATH-3007 Advanced Calculus | C | Y | MATH 1710 | Applied Calculus 2 | 3 | R | |
| C | PHYS-1001 Physics 1 AND PHYS-2001 Physics 2 | C | Y | PHYS 1050 | Physics 1: Mechanics | 3 | R | |
| C | CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic | C | Y | ENG 1450 | Introduction to ECE | 3 | R | |
| C | COMM-1152 Technical Communications AND COMM-3005 Technical Thesis AND PROJ-3000 Final Project | C | Y | ENG 2040 | Engineering Communication: Strategies, Practice and Design | 3 | R | |
| C | STAT-1001 Statistics and Quality Assurance | C | Y | STAT 2220 | Contemporary Statistics for Engineers | 3 | R | |
| C | DIGI-1003 Digital Logic AND DIGI-2224 Digital Systems | C | Y | ECE 2220 | Digital Logic Systems | 5 | R | |
| C | CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3000 Final Project | C | Y | ECE 2262 | Electric Circuits | 4 | R | |
| C | DEVC-2004 Semiconductor Devices AND DEVC-2005 Analog Devices and Applications | C | Y | ECE 2160 | Electronics 2E | 5 | R | |
| C | DCOM-1000 Digital Communications AND DCOM-2001 Routing & Switching | C | Y | ECE 4850 | Topics in Electrical and Computer Engineering 1 | 4 | E | Free Elective |
| C | EMBD-3000 Embedded Systems 2 AND MANU-2009 Printed Circuit Board Manufacturing and Layout | C | Y | ECE 4860 | Topics in Electrical and Computer Engineering 2 | 4 | E | Free Elective |

¹. Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit. Where multiple

². Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

Table 3. Instrumentation and Control Engineering Technology Stream

| Partner Institution: Red River College Polytech | | | | UM Program: Electrical Engineering | | | | |
|---|---|------------|----------------|------------------------------------|---|----------|--------------------------|---------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² | |
| C | MATH-2013 Calculus | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R | |
| C | MATH-2013 Calculus AND MATH-3006 Applied Calculus | C | Y | MATH 1710 | Applied Calculus 2 | 3 | R | |
| C | PHYS-1001 Physics 1 AND PHYS-2001 Physics 2 | C | Y | PHYS 1050 | Physics 1: Mechanics | 3 | R | |
| C | CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic | C | Y | ENG 1450 | Introduction to ECE | 3 | R | |
| C | INST-2001 Heat Transfer and Thermodynamics | C | Y | ENG 1460 | Introduction to Thermal Sciences | 3 | R | |
| C | PROJ-1004 Project Management AND PROJ- 3003 Final Project and Technical Thesis | C | Y | ENG 2040 | Engineering Communication: Strategies, Practice and Design | 3 | R | |
| C | DIGI-1003 Digital Logic AND DIGI-2224 Digital Systems | C | Y | ECE 2220 | Digital Logic Systems | 5 | R | |
| C | CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3003 Final Project and Technical Thesis | C | Y | ECE 2262 | Electric Circuits | 4 | R | |
| C | DEVC-2004 Semiconductor Devices AND PROJ- 3003 Final Project and Technical Thesis | C | Y | ECE 2160 | Electronics 2E | 5 | R | |
| C | PLCS-1002 Instrumentation PLCs 1 AND PLCS- 2002 Instrumentation PLCs 2 AND INST-2004 Process Measurements 2 | C | Y | ECE 4850 | Topics in Electrical and Computer Engineering 1 | 4 | E | Free Elective |
| C | DCOM-1009 Data Acquisition AND DCOM- 2003 Electrical Systems 2 AND INST-1008 Robotics and Automation | C | Y | ECE 4860 | Topics in Electrical and Computer Engineering 2 | 4 | E | Free Elective |

¹. Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit. Where multiple

². Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

**Electrical Engineering – Articulation Agreement
with RRC Polytech Electrical Engineering Technology Diploma Program**

| Category | Course | Title | Cr. Hr. |
|--|---|--|----------------------|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering ^{RRC1} | 3 |
| | ENG 1460 | Introduction to Thermal Sciences | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 ^{RRC2} | 3 |
| | MATH 1710 | Applied Calculus 2 ^{RRC3} | 3 |
| | PHYS 1050 | Physics 1: Mechanics ^{RRC4} | 3 |
| | "W" elective | One course that satisfies the university "writing" requirement | 3 |
| CS elective 1 | Complementary studies elective ^a | 3 | |
| Program courses and electives taught by the department | ECE 2160 | Electronics 2E ^{RRC5} | 5 |
| | ECE 2220 | Digital Logic Systems ^{RRC6} | 5 |
| | ECE 2240 | Numerical Methods for Electrical Engineers | 4 |
| | ECE 2262 | Electric Circuits ^{RRC7} | 4 |
| | ECE 3540 | Advanced Circuit Analysis and Design | 4 |
| | ECE 3580 | Foundations of Electromagnetics | 4 |
| | ECE 3590 | Electromagnetic Theory | 4 |
| | ECE 3600 | Physical Electronics | 4 |
| | ECE 3610 | Microprocessor Systems | 4 |
| | ECE 3670 | Electronics 3E | 4 |
| | ECE 3720 | Electric Power and Machines ^{RRC8} | 4 |
| | ECE 3730 | Principles of Embedded Systems Design | 4 |
| | ECE 3780 | Signal Processing 1 | 4 |
| | ECE 4150 | Control Systems | 4 |
| | ECE 4260 | Communication Systems | 4 |
| | ECE 4600 | Group Design Project ^b | 6 |
| | "A" elective 1 | Technical Elective from the "Group A" list of qualified electives | 4 |
| | "A" elective 2 | Technical Elective from the "Group A" list of qualified electives | 4 |
| | "A" elective 3 | Technical Elective from the "Group A" list of qualified electives | 4 |
| | Tech elective 1 | ECE 4850 Topics in Electrical and Computer Engineering 1 ^{RRC9} | 4 |
| Tech elective 2 | ECE 4860 Topics in Electrical and Computer Engineering 2 ^{RRC10} | 4 | |
| Tech elective 3 | Technical Elective from either "Group A" list or "Group B" list | 3 - 5 | |
| Tech elective 4 | Technical Elective from either "Group A" list or "Group B" list | 3 - 4 | |
| Program courses taught by other academic departments | ANTH 2430 | Ecology, Technology and Society ^c | 3 |
| | ENG 2040 | Engineering Communication: Strategies, Practice, and Design ^{RRC11} | 3 |
| | ENG 3000 | Engineering Economics | 3 |
| | MATH 2130 | Engineering Mathematical Analysis | 3 |
| | MATH 2132 | Engineering Mathematical Analysis 2 | 3 |
| | MATH 3132 | Engineering Mathematical Analysis 3 | 3 |
| | PHYS 2152 | Modern Physics for Engineers | 3 |
| | STAT 2220 | Contemporary Statistics for Engineers ^d | 3 |
| Electives taught by other departments | CS elective 2 | Complementary studies elective ^a | 3 |
| | NS elective | Natural science elective course from the approved list | 3 |
| | | Total Hours | 161.5 to 164.5 |

^a The complementary studies electives can be any course at the 1000 level or above from either the faculties of Arts or Management. However, ARTS 1110 may not be used for credit in the Price Faculty of Engineering.

^b Course continues through both terms with credit given upon completion.

^c ANTH 2430 is an Indigenous Knowledge course.

^d STAT 2220 is the recommended statistics course within this program, however STAT 1000 and STAT 2000 together are considered equivalent to STAT 2220.

| | |
|-------|---|
| RRC1 | RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic |
| RRC2 | RRC Polytech Equivalent Course: MATH-2013 Calculus |
| RRC3 | RRC Polytech Equivalent Course: MATH-2013 Calculus AND CTRL-1001 Linear Controls |
| RRC4 | RRC Polytech Equivalent Course: PHYS-1001 Physics 1 AND PHYS-2001 Physics 2 |
| RRC5 | RRC Polytech Equivalent Course: DEVC-2003 Power Electronics 1 AND DEVC-2004 Semiconductor Devices AND DEVC-3001 Power Electronics 2 |
| RRC6 | RRC Polytech Equivalent Course: DIGI-1003 Digital Logic |
| RRC7 | RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3002 Final Project |
| RRC8 | RRC Polytech Equivalent Course: MACH-1092 Electrical Machines 1 AND MACH-2000 Electrical Machines 2 AND TRAN-1000 Transformers |
| RRC9 | RRC Polytech Equivalent Course: CODE-2001 Electrical Practices and Design AND PRJ-2000 Project Management AND WRKS-1037 Introduction to Quality |
| RRC10 | RRC Polytech Equivalent Course: DCOM-1001 Digital Communications AND PLCS-1110 PLCs 1 AND PLCS-2111 PLCs 2 |
| RRC11 | RRC Polytech Equivalent Course: COMM-1152 Technical Communications AND COMM-3005 Technical Thesis AND PROJ-3002 Final Project |

**Electrical Engineering – Articulation Agreement
with RRC Polytech Electronic Engineering Technology Diploma Program**

| Category | Course | Title | Cr. Hr. |
|--|--|--|----------------------|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering ^{RRC1} | 3 |
| | ENG 1460 | Introduction to Thermal Sciences | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 ^{RRC2} | 3 |
| | MATH 1710 | Applied Calculus 2 ^{RRC3} | 3 |
| | PHYS 1050 | Physics 1: Mechanics ^{RRC4} | 3 |
| | "W" elective | One course that satisfies the university "writing" requirement | 3 |
| CS elective 1 | Complementary studies elective ^a | 3 | |
| Program courses and electives taught by the department | ECE 2160 | Electronics 2E ^{RRC5} | 5 |
| | ECE 2220 | Digital Logic Systems ^{RRC6} | 5 |
| | ECE 2240 | Numerical Methods for Electrical Engineers | 4 |
| | ECE 2262 | Electric Circuits ^{RRC7} | 4 |
| | ECE 3540 | Advanced Circuit Analysis and Design | 4 |
| | ECE 3580 | Foundations of Electromagnetics | 4 |
| | ECE 3590 | Electromagnetic Theory | 4 |
| | ECE 3600 | Physical Electronics | 4 |
| | ECE 3610 | Microprocessor Systems | 4 |
| | ECE 3670 | Electronics 3E | 4 |
| | ECE 3720 | Electric Power and Machines | 4 |
| | ECE 3730 | Principles of Embedded Systems Design | 4 |
| | ECE 3780 | Signal Processing 1 | 4 |
| | ECE 4150 | Control Systems | 4 |
| | ECE 4260 | Communication Systems | 4 |
| | ECE 4600 | Group Design Project ^b | 6 |
| | "A" elective 1 | Technical Elective from the "Group A" list of qualified electives | 4 |
| | "A" elective 2 | Technical Elective from the "Group A" list of qualified electives | 4 |
| | "A" elective 3 | Technical Elective from the "Group A" list of qualified electives | 4 |
| | Tech elective 1 | ECE 4850 Topics in Electrical and Computer Engineering 1 ^{RRC8} | 4 |
| Tech elective 2 | ECE 4860 Topics in Electrical and Computer Engineering 2 ^{RRC9} | 4 | |
| Tech elective 3 | Technical Elective from either "Group A" list or "Group B" list | 3 - 5 | |
| Tech elective 4 | Technical Elective from either "Group A" list or "Group B" list | 3 - 4 | |
| Program courses taught by other academic departments | ANTH 2430 | Ecology, Technology and Society ^c | 3 |
| | ENG 2040 | Engineering Communication: Strategies, Practice, and Design ^{RRC10} | 3 |
| | ENG 3000 | Engineering Economics | 3 |
| | MATH 2130 | Engineering Mathematical Analysis | 3 |
| | MATH 2132 | Engineering Mathematical Analysis 2 | 3 |
| | MATH 3132 | Engineering Mathematical Analysis 3 | 3 |
| | PHYS 2152 | Modern Physics for Engineers | 3 |
| | STAT 2220 | Contemporary Statistics for Engineers ^{d RRC11} | 3 |
| Electives taught by other departments | CS elective 2 | Complementary studies elective ^a | 3 |
| | NS elective | Natural science elective course from the approved list | 3 |
| | | Total Hours | 161.5 to 164.5 |

^a The complementary studies electives can be any course at the 1000 level or above from either the faculties of Arts or Management. However, ARTS 1110 may not be used for credit in the Price Faculty of Engineering.

^b Course continues through both terms with credit given upon completion.

^c ANTH 2430 is an Indigenous Knowledge course.

^d STAT 2220 is the recommended statistics course within this program, however STAT 1000 and STAT 2000 together are considered equivalent to STAT 2220.

- RRC1 RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic
- RRC2 RRC Polytech Equivalent Course: MATH-2013 Calculus
- RRC3 RRC Polytech Equivalent Course: MATH-2013 Calculus AND MATH-3007 Advanced Calculus
- RRC4 RRC Polytech Equivalent Course: PHYS-1001 Physics 1 AND PHYS-2001 Physics 2
- RRC5 RRC Polytech Equivalent Course: DEVC-2004 Semiconductor Devices AND DEVC-2005 Analog Devices and Applications
- RRC6 RRC Polytech Equivalent Course: DIGI-1003 Digital Logic AND DIGI-2224 Digital Systems
- RRC7 RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3000 Final Project
- RRC8 RRC Polytech Equivalent Course: DCOM-1000 Digital Communications AND DCOM-2001 Routing & Switching
- RRC9 RRC Polytech Equivalent Course: EMBD-3000 Embedded Systems 2 AND MANU-2009 Printed Circuit Board Manufacturing and Layout
- RRC10 RRC Polytech Equivalent Course: COMM-1152 Technical Communications AND COMM-3005 Technical Thesis AND PROJ-3000 Final Project
- RRC11 RRC Polytech Equivalent Course: STAT-1001 Statistics and Quality Assurance

**Electrical Engineering – Articulation Agreement
with RRC Polytech Instrumentation and Control Engineering Technology Diploma Program**

| Category | Course | Title | Cr. Hr. |
|--|---|--|----------------------|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering ^{RRC1} | 3 |
| | ENG 1460 | Introduction to Thermal Sciences ^{RRC2} | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 ^{RRC3} | 3 |
| | MATH 1710 | Applied Calculus 2 ^{RRC4} | 3 |
| | PHYS 1050 | Physics 1: Mechanics ^{RRC5} | 3 |
| | "W" elective | One course that satisfies the university "writing" requirement | 3 |
| | CS elective 1 | Complementary studies elective ^a | 3 |
| Program courses and electives taught by the department | ECE 2160 | Electronics 2E ^{RRC6} | 5 |
| | ECE 2220 | Digital Logic Systems ^{RRC7} | 5 |
| | ECE 2240 | Numerical Methods for Electrical Engineers | 4 |
| | ECE 2262 | Electric Circuits ^{RRC8} | 4 |
| | ECE 3540 | Advanced Circuit Analysis and Design | 4 |
| | ECE 3580 | Foundations of Electromagnetics | 4 |
| | ECE 3590 | Electromagnetic Theory | 4 |
| | ECE 3600 | Physical Electronics | 4 |
| | ECE 3610 | Microprocessor Systems | 4 |
| | ECE 3670 | Electronics 3E | 4 |
| | ECE 3720 | Electric Power and Machines | 4 |
| | ECE 3730 | Principles of Embedded Systems Design | 4 |
| | ECE 3780 | Signal Processing 1 | 4 |
| | ECE 4150 | Control Systems | 4 |
| | ECE 4260 | Communication Systems | 4 |
| | ECE 4600 | Group Design Project ^b | 6 |
| | "A" elective 1 | Technical Elective from the "Group A" list of qualified electives | 4 |
| | "A" elective 2 | Technical Elective from the "Group A" list of qualified electives | 4 |
| | "A" elective 3 | Technical Elective from the "Group A" list of qualified electives | 4 |
| | Tech elective 1 | ECE 4850 Topics in Electrical and Computer Engineering 1 ^{RRC9} | 4 |
| Tech elective 2 | ECE 4860 Topics in Electrical and Computer Engineering 2 ^{RRC10} | 4 | |
| Tech elective 3 | Technical Elective from either "Group A" list or "Group B" list | 3 - 5 | |
| Tech elective 4 | Technical Elective from either "Group A" list or "Group B" list | 3 - 4 | |
| Program courses taught by other academic departments | ANTH 2430 | Ecology, Technology and Society ^c | 3 |
| | ENG 2040 | Engineering Communication: Strategies, Practice, and Design ^{RRC11} | 3 |
| | ENG 3000 | Engineering Economics | 3 |
| | MATH 2130 | Engineering Mathematical Analysis | 3 |
| | MATH 2132 | Engineering Mathematical Analysis 2 | 3 |
| | MATH 3132 | Engineering Mathematical Analysis 3 | 3 |
| | PHYS 2152 | Modern Physics for Engineers | 3 |
| | STAT 2220 | Contemporary Statistics for Engineers ^d | 3 |
| Electives taught by other departments | CS elective 2 | Complementary studies elective ^a | 3 |
| | NS elective | Natural science elective course from the approved list | 3 |
| | | Total Hours | 161.5 to 164.5 |

^a The complementary studies electives can be any course at the 1000 level or above from either the faculties of Arts or Management. However, ARTS 1110 may not be used for credit in the Price Faculty of Engineering.

^b Course continues through both terms with credit given upon completion.

^c ANTH 2430 is an Indigenous Knowledge course.

^d STAT 2220 is the recommended statistics course within this program, however STAT 1000 and STAT 2000 together are considered equivalent to STAT 2220.

| | |
|-------|--|
| RRC1 | RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic |
| RRC2 | RRC Polytech Equivalent Course: INST-2001 Heat Transfer and Thermodynamics |
| RRC3 | RRC Polytech Equivalent Course: MATH-2013 Calculus |
| RRC4 | RRC Polytech Equivalent Course: MATH-2013 Calculus AND MATH-3006 Applied Calculus |
| RRC5 | RRC Polytech Equivalent Course: PHYS-1001 Physics 1 AND PHYS-2001 Physics 2 |
| RRC6 | RRC Polytech Equivalent Course: DEVC-2004 Semiconductor Devices AND PROJ-3003 Final Project and Technical Thesis |
| RRC7 | RRC Polytech Equivalent Course: DIGI-1003 Digital Logic AND DIGI-2224 Digital Systems |
| RRC8 | RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3003 Final Project and Technical Thesis |
| RRC9 | RRC Polytech Equivalent Course: PLCS-1002 Instrumentation PLCs 1 AND PLCS-2002 Instrumentation PLCs 2 AND INST-2004 Process Measurements 2 |
| RRC10 | RRC Polytech Equivalent Course: DCOM-1009 Data Acquisition AND DCOM-2003 Electrical Systems 2 AND INST-1008 Robotics and Automation |
| RRC11 | RRC Polytech Equivalent Course: PROJ-1004 Project Management AND PROJ-3003 Final Project and Technical Thesis |



SENATE ARTICULATION AGREEMENT PROPOSAL

Section A: UM Program and Partner Information

1. **Agreement Type:** New Renewal Domestic International

2. **Name and Address of Partner Institution:**

RRC Polytech - School of Skilled Trades and Technologies
2055 Notre Dame Ave.
Winnipeg, MB R3H 0J9

3. **UM Program Contact:**

Name: Marcia Friesen

Designation: Dean, Price Faculty of
Engineering

Email: Marcia

Phone: 204-474-9806

Signature: _____

Date: 19 August 2025

4. **Name and designation of contact person from partner institution (*include full contact information*):**

Name: Derek Kochenash

Designation: Dean, School of Skilled Trades
and Technologies

Address: A1-34 – 2055 Notre Dame Avenue, Winnipeg, MB R2H 0J9

Email: DKochenash@RRC.CA

Phone: 204-632-3990

5. **Name and designation of signing authority for the partner institution (*include full contact information*):**

Name: Christine Watson

Designation: Vice President - Academic

Address: C7, 2055 Notre Dame Ave., Winnipeg, MB R0R 0R0

Email: CEWatson@RRC.CA

Phone: 204-632-2380

Section B: Articulation Program Proposal

PROGRAM INFORMATION

6. **UM Faculty/College/School:** Price Faculty of Engineering
UM Department: Electrical and Computer Engineering
UM Program to which advanced entry is sought (*provide program name and credential*).

Bachelor of Science in Engineering (Computer)

7. **Program at Partner Institution from which advanced entry is sought (*provide program name and credential*).**

Diploma in Electrical Engineering Technology

<https://catalogue.rrc.ca/Programs/WPG/Fulltime/ELEGF-DP>

Diploma in Electronic Engineering Technology

<https://catalogue.rrc.ca/Programs/WPG/Fulltime/ELEEF-DP>

Diploma in Instrumentation and Control Engineering Technology

<https://catalogue.rrc.ca/Programs/WPG/Fulltime/INSCF-DP>

8. **Start date (*number of years for which the agreement is proposed to run, generally to a maximum of 5 years*).**

Start Date: September 2026

Period (yrs.): 5 years

9. **Combined duration of the articulation program, in years and credit hours [e.g. 4 years (120 credit hours) – Partner 2 (60 credit hours) + UM 2 (60 credit hours)].**

Because of the prerequisite chains that exist, it is likely to take 3.5-4 years at UM to complete the Computer Engineering degree after completion of the corresponding RRC Polytech diploma program. The list below provides an overview of the number of courses in the Computer Engineering program for which transfer credit will be granted and the remaining number of credit hours of coursework to be completed at the University of Manitoba. Depending on the electives selected, the total number of credit hours to complete the UM Computer Engineering program is 154.5–160.5.

Electrical Engineering Technology Program (2.6 years RRC Polytech + 3.5 years UM = 6.1 years)

- Transfer credits granted for 11 courses (41 credit hours) in UM Computer Engineering program; 113.5 credit hours of coursework remaining

Electronic Engineering Technology Program (2.6 years RRC Polytech + 3.5 years UM = 6.1 years)

- Transfer credits granted for 11 courses (40 credit hours) in UM Computer Engineering program; 114.5 credit hours of coursework remaining

Instrumentation and Control Engineering Technology Program (2.6 years RRC Polytech + 3.5 years UM = 6.1 years)

- Transfer credits granted for 11 courses (40 credit hours) in UM Computer Engineering program; 114.5 credit hours of coursework remaining

10. **If applicable, will students be able to participate in a co-op option in the program?**

Y N NA

11. **Detail any costs accrued to the UM arising from this proposal. Costs should include any resources required to support the program and any tuition and/or fee implications, including application fees.**

A letter from the budget Dean detailing how any costs will be met must accompany the completed proposal.

RRC Polytech students admitted into the agreement will pay the regular University of Manitoba application fee and the University of Manitoba tuition fees for either domestic or international students. The Price Faculty of Engineering Student Services office and the Electrical and Computer Engineering department office, with the assistance of Enrolment Services, will manage the course mapping of students entering the UM under this agreement. Students opting for the Co-op/Internship Program will use the same pathway as any other Price Faculty of Engineering student applying for the program.

An initial workload to establish communication about the agreement (website for students arriving within the agreement) and develop the necessary processes and documentation will be addressed with existing resources.

It is expected that the advising of students within the agreement will be incorporated into the roles of existing student services and undergraduate advising staff, and that tracking of students for statistical purposes will be incorporated into the existing student services staff and data coordinator's roles.

12. **Outline any additional interactions planned in relation to the agreement. For example, formal interactions with the faculty and staff at the partner institution; development of joint curriculum between institutions, etc. *Please describe.***

To develop this agreement, Price Faculty of Engineering and RRC Polytech faculty and staff have met and exchanged information regularly over the period of two years regarding respective program requirements and course outlines. Course evaluation and course mapping have been completed based on current curriculum at both institutions.

During the period of the agreement, the Associate Dean (Undergraduate) and Department Head (Electrical and Computer Engineering) or their designates will meet with their RRC Polytech counterparts 1-2 times/year to review status and functioning of the agreement, and to review and incorporate any curriculum changes within either program.

STUDENT SELECTION AND SUPPORT

13. **Number of students to be admitted at each intake.**

Expected No. 3-10

Maximum No. 10

14. **Is advanced standing limited to graduates of the partner institution program?** Y N

15. Provide details of the program requirements, highlighting where students will receive advanced standing in the UM program and outlining the course and any other program requirements/outcomes that students must meet at UM to obtain their degree.

Append the following: (i) Articulation Course Mapping form; (ii) a revised program chart, indicating which courses students will have completed at the partner institution and which will be completed at UM; and (iii) all applicable course syllabi from the partner program.

The agreement is formulated around three foundational aspects:

1. Adjusted admission requirements:
 - a. Admission will be offered to graduates of the Electrical Engineering Technology diploma program at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all courses was C or better.
 - b. Admission will be offered to graduates of the Electronic Engineering Technology diploma program at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all courses was C or better.
 - c. Admission will be offered to graduates of the Instrumentation and Control Engineering Technology diploma program at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all courses was C or better.
2. Guaranteed allocation of seats in the program: RRC Polytech graduates will be accepted directly into the second-year Computer Engineering Program, bypassing the competitive process normally applied to Preliminary Year students applying to departmental programs and are guaranteed a seat within the Price Faculty of Engineering seat capacity. These students will be required to complete all normal program requirements, including completing preliminary courses that did not receive transfer credit.
3. Course transfer agreements are outlined on the attached course mapping tables.

16. Describe the entry pathway for admission and selection for articulation at UM. Include information on admission requirements, including minimum GPA requirements and English language requirements, should they fall outside the standard UM requirements.

International agreements should identify and address the role of a UM faculty member (or representative) in the student selection process.

1. Eligible applicants are those who have completed one of the Electrical Engineering Technology diploma program, the Electronic Engineering Technology diploma program, or the Instrumentation and Control Engineering Technology diploma program at RRC Polytech with all courses completed within ten years of the application date, and where the grade in all required courses was C or better.
2. Up to 10 qualifying RRC Polytech graduates will be admitted into the Bachelor of Science in Engineering (Computer) program per year. In the event that there are more than 10 eligible applicants in a given year, admission will be offered on the basis of the cumulative grade point average (CGPA) of the diploma in rank order. Applicants who do not rank in the top 10 will be considered along with other Engineering program applicants based on the ranking of their Adjusted Grade Point Average (AGPA) and only if they meet all Engineering program application requirements.
3. A maximum of 60 credit hours can be transferred into the Bachelor of Science in Engineering (Computer) program. In all cases, the applicant must have earned a grade of C or better in the course in the transferable credits.
4. RRC Polytech applicants are admitted solely on the basis of their RRC Polytech coursework. Any additional post-secondary work will be assessed on a case-by-case basis for potential transfer credit, up to a maximum of 60 credit hours of transferable credits.
5. Applicants whose primary language is not English and who do not qualify for a waiver under the University of Manitoba's English Language proficiency regulations will be required to

demonstrate proficiency in English through one of the options listed on the University of Manitoba Admissions website.

17. Outline any recruitment strategies associated with the proposed program. Include information on efforts by both the UM and partner institution where applicable.

The agreement will include the development of informational and promotional material designed for RRC Polytech students as the audience, including print materials and a web presence both on the RRC Polytech and Price Faculty of Engineering websites. Active promotion of the agreement to RRC Polytech students will take place through regularly scheduled on-site recruitment at RRC Polytech as well as information sessions and tours of the Price Faculty of Engineering, and information sessions for RRC Polytech faculty awareness.

18. What types of student support will the UM be required to provide to students participating in this program? This could include such things as orientation, advisory services, accommodation, language courses, etc.

The student supports in the Price Faculty of Engineering and the University of Manitoba will be available to students arriving under this agreement. Additional training to Price Faculty of Engineering student advisors will take place to advise students arriving under this agreement.

QUALITY ASSURANCE

19. Please indicate how often the agreement will be reviewed as well as an outline of the review process.

The agreement will be comprehensively reviewed every five years to assess each partner's desire to continue with an agreement, as well as to determine any structural changes which may need to be made (e.g. admission requirements or course mappings). On an ongoing basis, the agreement will include a bi-annual review of course mapping via syllabi examination and consultation with instructors and unit heads at each institution, an annual review of student performance, and meetings between agreement partners on an annual basis, at minimum.

20. Outline how feedback will be provided to the partner institution in terms of student performance.

The partner institution will be provided with summary reports that include student intake, program selections, academic performance, and graduation data. In-person meetings between agreement partners will be held on an annual basis, at minimum.

21. If the UM program is accredited by an external body, will the proposed articulation impact the accreditation? If so, what steps are required to maintain accredited status?

The Computer Engineering program is accredited by the Canadian Engineering Accreditation Board (CEAB). CEAB regulations contemplate transfer credit, which form the basis of this agreement. Key requirements are that at least 50% of the program as well as significant design experiences (e.g. capstone design) must be completed within the Price Faculty of Engineering at The University of Manitoba. Further, programs need to provide evidence that the CEAB curriculum content and quality criteria are met by all students – that is, that all students take the minimum critical path. This agreement operates within these accreditation requirements.

22. What mechanisms are in place to allow any students on the articulation pathway to complete their studies should the articulation be withdrawn?

In the event that the articulation agreement is withdrawn, students on the articulation pathway will be treated as regular transfer students in their degree programs.

23. What is the partner institution's policy on academic freedom? What are the implications of this (if any) on course content.

RRC Polytech students have freedom of expression, spirituality, assembly and participation in college community and student associations. These rights are outlined in Section 4.4 *Non Academic Rights of the Student Code of Rights and Responsibilities*.

<https://www.rrc.ca/legal/policies/student-code-of-rights-and-responsibilities/>

RRC Polytech faculty and instructors also have freedom to participate in scholarly activities in any way they choose within set ethical guidelines, and whilst not being forced to participate. These principles are outlined in section 4.1 of the *Research and Scholarly Activity Policy*.

<https://www.rrc.ca/legal/policies/research-and-scholarly-activity/>

BENEFIT ANALYSIS

24. Outline the anticipated benefits expected from this agreement to the partners and students.

The agreement offers a pathway for RRC Polytech graduates to be admitted to the Price Faculty of Engineering on the basis of their RRC Polytech credentials and complete an undergraduate engineering degree with an assured transfer credit provision.

The agreement provides opportunities for students to expand their career credentials by offering RRC Polytech graduates a pathway toward an engineering degree, which is the foundation for subsequent P.Eng. licensure. The dual credential of an engineering technology diploma and an engineering degree is recognized as a highly effective combination in the marketplace, demonstrative of a broad applied and theoretical knowledge and skill set.

As the Province's only research university and professional engineering school (UM) and as the Province's premiere polytech for trades and applied technology (RRC Polytech), the partnership enhances the reputation of both institutions in the Province, responds to labour market demands in Manitoba's key industry sectors, and aligns with the provincial government's vision for labour-market connected learning.

25. Have any challenges or barriers to this agreement been identified? If so, how will they be ameliorated?

Our immediate target is to establish the agreement and begin using it. Over the near- and medium-term, we will also engage with RRC Polytech to see where curriculum changes can support additional transfer credit provisions within the agreement.

Students entering the Price Faculty of Engineering under this agreement will be counted within the current enrolment capacity of the Price Faculty of Engineering, will be served by existing student advising staff, and will take courses currently offered and taught by existing faculty members. It is anticipated that up to 0.5 FTE of coordination time will be needed to support the agreement, which will be staffed out of existing resources.

ADDITIONAL INFORMATION

26. Please provide any additional information on the proposed program that is deemed relevant to this process. Append any supporting documentation, if required.

Students entering the Price Faculty of Engineering under this agreement will have access to all of the Price Faculty of Engineering and University of Manitoba services, facilities, and programming on the same basis as any other student.

We are very pleased to submit this proposal, building on momentum and genuine interest at both institutions to see this agreement in place.

Section C: Review and Approvals

Dean/Director: Marcia Friesen

Date: 01 Aug 2025

Faculty Council: Engineering Faculty Council

Date: 19 Aug 2025

Senate Approval: Date: _____

UM PROVOST APPROVAL TO IMPLEMENT

Provost & Vice-President (Academic): _____

Date: _____

Additional Conditions:

PARTNER INSTITUTION APPROVAL

Name: _____ **Position:** _____

Signature: _____ **Date:** _____

For international agreements only: *following approval of the Senate articulation agreement, the next step will be to complete an International Articulation Agreement for approval by the Associate Vice President (Partnerships). Please contact the International Centre for further details.* Copies of the signed international articulation agreement must be sent to the Office of the Provost prior to program commencement.

International Articulation Agreement Required: Y N **Date Received:** _____

Signed copies to: *(action by Provost's Office)*

- | | | |
|--|-------------------------------------|---|
| <input type="checkbox"/> Dean's Office, Proposing UM Faculty | <input type="checkbox"/> Registrar | <input type="checkbox"/> University Secretary |
| <input type="checkbox"/> Partner Institution Signatory | <input type="checkbox"/> Admissions | <input type="checkbox"/> Office of Institutional Analysis |



ARTICULATION AGREEMENT COURSE MAPPING FORM

Please provide detailed mapping for the Partner's course experience to the UM equivalences. Mapping of courses must be assessed and approved by the UM unit responsible for delivering the corresponding course content. Courses should be grouped together by transfer type. Rows can be added or deleted as required. **Please attach course syllabi or course descriptions for the partner program's coursework.**

Questions related to the facilitation of course mapping and/or transfer credit can be directed to the UM Transfer Credit Evaluations Coordinator (Jeff Huston).

Table 1. Electrical Engineering Technology Program

| Partner Institution: Red River College Polytech | | | | UM Program: Computer Engineering | | | | |
|---|--|------------|----------------|----------------------------------|--|----------|--------------------------|---------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² | |
| C | MATH-2013 Calculus | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R | |
| C | MATH-2013 Calculus AND CTRL-1001 Linear Controls | C | Y | MATH 1710 | Applied Calculus 2 | 3 | R | |
| C | PHYS-1001 Physics 1 AND PHYS-2001 Physics 2 | C | Y | PHYS 1050 | Physics 1: Mechanics | 3 | R | |
| C | CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic | C | Y | ENG 1450 | Introduction to ECE | 3 | R | |
| C | COMM-1152 Technical Communications AND COMM-3005 Technical Thesis AND PROJ-3002 Final Project | C | Y | ENG 2040 | Engineering Communication: Strategies, Practice and Design | 3 | R | |
| C | DIGI-1003 Digital Logic | C | Y | ECE 2220 | Digital Logic Systems | 5 | R | |
| C | CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3002 Final Project | C | Y | ECE 2262 | Electric Circuits | 4 | R | |
| C | DEVC-2003 Power Electronics 1 AND DEVC-2004 Semiconductor Devices AND DEVC-3001 Power Electronics 2 | C | Y | ECE 2160 | Electronics 2E | 5 | R | |
| C | MACH-1092 Electrical Machines 1 AND MACH-2000 Electrical Machines 2 AND TRAN-1000 Transformers | C | Y | ECE 3720 | Electric Power and Machines | 4 | E | Free Elective |
| C | CODE-2001 Electrical Practices and Design AND PROJ-2000 Project Management AND WRKS-1037 Introduction to Quality | C | Y | ECE 4850 | Topics in Electrical and Computer Engineering 1 | 4 | E | Free Elective |
| C | DCOM-1001 Digital Communications AND PLCS-1110 PLCs 1 AND PLCS-2111 PLCs 2 | C | Y | ECE 4860 | Topics in Electrical and Computer Engineering 2 | 4 | E | Free Elective |

¹ Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit. Where multiple transfer types exist, list courses in order of equivalent, unallocated, and block.

² Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

Table 2. Electronic Engineering Technology Program

| Partner Institution: Red River College Polytech | | | | UM Program: Computer Engineering | | | | |
|---|---|------------|----------------|----------------------------------|---|----------|--------------------------|---------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² | |
| C | MATH-2013 Calculus | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R | |
| C | MATH-2013 Calculus AND MATH-3007 Advanced Calculus | C | Y | MATH 1710 | Applied Calculus 2 | 3 | R | |
| C | PHYS-1001 Physics 1 AND PHYS-2001 Physics 2 | C | Y | PHYS 1050 | Physics 1: Mechanics | 3 | R | |
| C | CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic | C | Y | ENG 1450 | Introduction to ECE | 3 | R | |
| C | COMM-1152 Technical Communications AND COMM-3005 Technical Thesis AND PROJ-3000 Final Project | C | Y | ENG 2040 | Engineering Communication: Strategies, Practice and Design | 3 | R | |
| C | STAT-1001 Statistics and Quality Assurance | C | Y | STAT 2220 | Contemporary Statistics for Engineers | 3 | R | |
| C | DIGI-1003 Digital Logic AND DIGI-2224 Digital Systems | C | Y | ECE 2220 | Digital Logic Systems | 5 | R | |
| C | CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3000 Final Project | C | Y | ECE 2262 | Electric Circuits | 4 | R | |
| C | DEVC-2004 Semiconductor Devices AND DEVC-2005 Analog Devices and Applications | C | Y | ECE 2160 | Electronics 2E | 5 | R | |
| C | DCOM-1000 Digital Communications AND DCOM-2001 Routing & Switching | C | Y | ECE 4850 | Topics in Electrical and Computer Engineering 1 | 4 | E | Free Elective |
| C | EMBD-3000 Embedded Systems 2 AND MANU-2009 Printed Circuit Board Manufacturing and Layout | C | Y | ECE 4860 | Topics in Electrical and Computer Engineering 2 | 4 | E | Free Elective |

¹. Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit. Where multiple

². Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

Table 3. Instrumentation and Control Engineering Technology Program

| Partner Institution: Red River College Polytech | | | | UM Program: Computer Engineering | | | | |
|---|---|------------|----------------|----------------------------------|---|----------|--------------------------|---------------|
| Transfer Type ¹ | Course Name | Min. Grade | Syllabus (Y/N) | Course No. | Course Name | Cr. Hrs. | Course Type ² | |
| C | MATH-2013 Calculus | C | Y | MATH 1510 | Applied Calculus 1 | 3 | R | |
| C | MATH-2013 Calculus AND MATH-3006 Applied Calculus | C | Y | MATH 1710 | Applied Calculus 2 | 3 | R | |
| C | PHYS-1001 Physics 1 AND PHYS-2001 Physics 2 | C | Y | PHYS 1050 | Physics 1: Mechanics | 3 | R | |
| C | CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic | C | Y | ENG 1450 | Introduction to ECE | 3 | R | |
| C | INST-2001 Heat Transfer and Thermodynamics | C | Y | ENG 1460 | Introduction to Thermal Sciences | 3 | R | |
| C | PROJ-1004 Project Management AND PROJ- 3003 Final Project and Technical Thesis | C | Y | ENG 2040 | Engineering Communication: Strategies, Practice and Design | 3 | R | |
| C | DIGI-1003 Digital Logic AND DIGI-2224 Digital Systems | C | Y | ECE 2220 | Digital Logic Systems | 5 | R | |
| C | CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3003 Final Project and Technical Thesis | C | Y | ECE 2262 | Electric Circuits | 4 | R | |
| C | DEVC-2004 Semiconductor Devices AND PROJ-3003 Final Project and Technical Thesis | C | Y | ECE 2160 | Electronics 2E | 5 | R | |
| C | PLCS-1002 Instrumentation PLCs 1 AND PLCS- 2002 Instrumentation PLCs 2 AND INST-2004 Process Measurements 2 | C | Y | ECE 4850 | Topics in Electrical and Computer Engineering 1 | 4 | E | Free Elective |
| C | DCOM-1009 Data Acquisition AND DCOM- 2003 Electrical Systems 2 AND INST-1008 Robotics and Automation | C | Y | ECE 4860 | Topics in Electrical and Computer Engineering 2 | 4 | E | Free Elective |

¹. Indicate how the course will be transferred to the UM program - **C** = Equivalent Course Credit; **U** = Unallocated Credit; **B** = Block Credit. Where multiple

². Indicate whether the course is required/core (**R**), or elective (**E**) in the UM program.

**Computer Engineering – Articulation Agreement
with RRC Polytech Electrical Engineering Technology Diploma Program**

| Category | Course | Title | Cr. Hr. |
|--|---|--|----------------------|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering RRC1 | 3 |
| | ENG 1460 | Introduction to Thermal Sciences | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 RRC2 | 3 |
| | MATH 1710 | Applied Calculus 2 RRC3 | 3 |
| | PHYS 1050 | Physics 1: Mechanics RRC4 | 3 |
| | "W" elective | One course that satisfies the university "writing" requirement | 3 |
| | CS elective 1 | Complementary studies elective ^a | 3 |
| Program courses and electives taught by the department | ECE 2160 | Electronics 2E RRC5 | 5 |
| | ECE 2220 | Digital Logic Systems RRC6 | 5 |
| | ECE 2262 | Electric Circuits RRC7 | 4 |
| | ECE 2400 | Engineering Algorithms 1 | 4 |
| | ECE 3400 | Engineering Algorithms 2 | 4 |
| | ECE 3610 | Microprocessor Systems | 4 |
| | ECE 3700 | Telecommunication Network Engine | 4 |
| | ECE 3740 | Systems Engineering Principles 1 | 4 |
| | ECE 3760 | Digital Systems Design 1 | 4 |
| | ECE 3780 | Signal Processing 1 | 4 |
| | ECE 4150 or 4260 | Choose ONE of ECE 4150 Signal Processing 1 or ECE 4260 Communication Systems | 4 |
| | ECE 4240 | Microprocessor Interfacing | 4 |
| | ECE 4830 | Signal Processing 2 | 4 |
| | ECE 4600 | Group Design Project ^b | 6 |
| | Directed elective | Choose ONE of ECE 3630 Real-time Embedded Systems or ECE 4530 Parallel Processing or COMP 3010 Distributed Computing | 3 - 4 |
| | Tech elective 1 | ECE 3720 Electric Power and Machines RRC8 | 4 |
| | Tech elective 2 | ECE 4850 Topics in Electrical and Computer Engineering 1 RRC9 | 4 |
| | Tech elective 3 | ECE 4860 Topics in Electrical and Computer Engineering 2 RRC10 | 4 |
| Tech elective 4 | Technical Elective from the approved list | 3 - 4 | |
| Tech elective 5 | Technical Elective from the approved list | 3 - 4 | |
| Program courses taught by other academic departments | ANTH 2430 | Ecology, Technology and Society ^c | 3 |
| | COMP 1020 | Computer Science 2 | 3 |
| | COMP 2140 | Data structures: Analysis and Interpretation | 3 |
| | ENG 2040 | Engineering Communication: Strategies, Practice, and Design RRC11 | 3 |
| | ENG 3000 | Engineering Economics | 3 |
| | MATH 2130 | Engineering Mathematical Analysis | 3 |
| | MATH 2132 | Engineering Mathematical Analysis 2 | 3 |
| | MATH 2136 | Mathematics for Computer Engineers | 3 |
| | PHYS 2152 | Modern Physics for Engineers | 3 |
| | STAT 2220 | Contemporary Statistics for Engineers ^d | 3 |
| Electives taught by other departments | CS elective 2 | Complementary studies elective ^a | 3 |
| | NS elective 1 | Natural science elective course from the approved list | 3 |
| | NS elective 2 | Natural science elective course from the approved list | 3 |
| | | Total Hours | 157.5 to 160.5 |

^a The complementary studies electives can be any course at the 1000 level or above from either the faculties of Arts or Management. However, ARTS 1110 may not be used for credit in the Price Faculty of Engineering.

^b Course continues through both terms with credit given upon completion.

^c ANTH 2430 is an Indigenous Knowledge course.

^d STAT 2220 is the recommended statistics course within this program, however STAT 1000 and STAT 2000 together are considered equivalent to STAT 2220.

RRC1 RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic

RRC2 RRC Polytech Equivalent Course: MATH-2013 Calculus

RRC3 RRC Polytech Equivalent Course: MATH-2013 Calculus AND CTRL-1001 Linear Controls

RRC4 RRC Polytech Equivalent Course: PHYS-1001 Physics 1 AND PHYS-2001 Physics 2

RRC5 RRC Polytech Equivalent Course: DEVC-2003 Power Electronics 1 AND DEVC-2004 Semiconductor Devices AND DEVC-3001 Power Electronics 2

RRC6 RRC Polytech Equivalent Course: DIGI-1003 Digital Logic

RRC7 RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3002 Final Project

RRC8 RRC Polytech Equivalent Course: MACH-1092 Electrical Machines 1 AND MACH-2000 Electrical Machines 2 AND TRAN-1000 Transformers

RRC9 RRC Polytech Equivalent Course: CODE-2001 Electrical Practices and Design AND PRJ-2000 Project Management AND WRKS-1037 Introduction to Quality

RRC10 RRC Polytech Equivalent Course: DCOM-1001 Digital Communications AND PLCS-1110 PLCs 1 AND PLCS-2111 PLCs 2

RRC11 RRC Polytech Equivalent Course: COMM-1152 Technical Communications AND COMM-3005 Technical Thesis AND PROJ-3002 Final Project

**Computer Engineering – Articulation Agreement
with RRC Polytech Electronic Engineering Technology Diploma Program**

| Category | Course | Title | Cr. Hr. |
|--|---|--|----------------|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering ^{RRC1} | 3 |
| | ENG 1460 | Introduction to Thermal Sciences | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 ^{RRC2} | 3 |
| | MATH 1710 | Applied Calculus 2 ^{RRC3} | 3 |
| | PHYS 1050 | Physics 1: Mechanics ^{RRC4} | 3 |
| | "W" elective | One course that satisfies the university "writing" requirement | 3 |
| | CS elective 1 | Complementary studies elective ^a | 3 |
| Program courses and electives taught by the department | ECE 2160 | Electronics 2E ^{RRC5} | 5 |
| | ECE 2220 | Digital Logic Systems ^{RRC6} | 5 |
| | ECE 2262 | Electric Circuits ^{RRC7} | 4 |
| | ECE 2400 | Engineering Algorithms 1 | 4 |
| | ECE 3400 | Engineering Algorithms 2 | 4 |
| | ECE 3610 | Microprocessor Systems | 4 |
| | ECE 3700 | Telecommunication Network Engine | 4 |
| | ECE 3740 | Systems Engineering Principles 1 | 4 |
| | ECE 3760 | Digital Systems Design 1 | 4 |
| | ECE 3780 | Signal Processing 1 | 4 |
| | ECE 4150 or 4260 | Choose ONE of ECE 4150 Signal Processing 1 or ECE 4260 Communication Systems | 4 |
| | ECE 4240 | Microprocessor Interfacing | 4 |
| | ECE 4830 | Signal Processing 2 | 4 |
| | ECE 4600 | Group Design Project ^b | 6 |
| | Directed elective | Choose ONE of ECE 3630 Real-time Embedded Systems or ECE 4530 Parallel Processing or COMP 3010 Distributed Computing | 3 - 4 |
| | Tech elective 1 | ECE 4850 Topics in Electrical and Computer Engineering 1 ^{RRC8} | 4 |
| | Tech elective 2 | ECE 4860 Topics in Electrical and Computer Engineering 2 ^{RRC9} | 4 |
| | Tech elective 3 | Technical Elective from the approved list | 3 - 4 |
| Tech elective 4 | Technical Elective from the approved list | 3 - 4 | |
| Tech elective 5 | Technical Elective from the approved list | 3 - 4 | |
| Program courses taught by other academic departments | ANTH 2430 | Ecology, Technology and Society ^c | 3 |
| | COMP 1020 | Computer Science 2 | 3 |
| | COMP 2140 | Data structures: Analysis and Interpretation | 3 |
| | ENG 2040 | Engineering Communication: Strategies, Practice, and Design ^{RRC10} | 3 |
| | ENG 3000 | Engineering Economics | 3 |
| | MATH 2130 | Engineering Mathematical Analysis | 3 |
| | MATH 2132 | Engineering Mathematical Analysis 2 | 3 |
| | MATH 2136 | Mathematics for Computer Engineers | 3 |
| | PHYS 2152 | Modern Physics for Engineers | 3 |
| | STAT 2220 | Contemporary Statistics for Engineers ^{d RRC11} | 3 |
| Electives taught by other departments | CS elective 2 | Complementary studies elective ^a | 3 |
| | NS elective 1 | Natural science elective course from the approved list | 3 |
| | NS elective 2 | Natural science elective course from the approved list | 3 |
| | | Total Hours | 156.5 to 160.5 |

^a The complementary studies electives can be any course at the 1000 level or above from either the faculties of Arts or Management. However, ARTS 1110 may not be used for credit in the Price Faculty of Engineering.

^b Course continues through both terms with credit given upon completion.

^c ANTH 2430 is an Indigenous Knowledge course.

^d STAT 2220 is the recommended statistics course within this program, however STAT 1000 and STAT 2000 together are considered equivalent to STAT 2220.

- RRC1 RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic
- RRC2 RRC Polytech Equivalent Course: MATH-2013 Calculus
- RRC3 RRC Polytech Equivalent Course: MATH-2013 Calculus AND MATH-3007 Advanced Calculus
- RRC4 RRC Polytech Equivalent Course: PHYS-1001 Physics 1 AND PHYS-2001 Physics 2
- RRC5 RRC Polytech Equivalent Course: DEVC-2004 Semiconductor Devices AND DEVC-2005 Analog Devices and Applications
- RRC6 RRC Polytech Equivalent Course: DIGI-1003 Digital Logic AND DIGI-2224 Digital Systems
- RRC7 RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3000 Final Project
- RRC8 RRC Polytech Equivalent Course: DCOM-1000 Digital Communications AND DCOM-2001 Routing & Switching
- RRC9 RRC Polytech Equivalent Course: EMBD-3000 Embedded Systems 2 AND MANU-2009 Printed Circuit Board Manufacturing and Layout
- RRC10 RRC Polytech Equivalent Course: COMM-1152 Technical Communications AND COMM-3005 Technical Thesis AND PROJ-3000 Final Project
- RRC11 RRC Polytech Equivalent Course: STAT-1001 Statistics and Quality Assurance

**Computer Engineering – Articulation Agreement
with RRC Polytech Instrumentation and Control Engineering Technology Diploma Program**

| Category | Course | Title | Cr. Hr. |
|--|---|--|----------------|
| Preliminary Engineering Program | CHEM 1100 | Atomic and Molecular Structure and Energetics | 3 |
| | CHEM 1122 | Introduction to Chemical Techniques for Engineering I (lab course) | 1.5 |
| | COMP 1012 | Computer Programming for Science & Engineers | 3 |
| | ENG 1430 | Design in Engineering | 3 |
| | ENG 1440 | Introduction to Statics | 3 |
| | ENG 1450 | Introduction to Electrical and Computer Engineering ^{RRC1} | 3 |
| | ENG 1460 | Introduction to Thermal Sciences ^{RRC2} | 3 |
| | MATH 1210 | Techniques of Classical and Linear Algebra | 3 |
| | MATH 1510 | Applied Calculus 1 ^{RRC3} | 3 |
| | MATH 1710 | Applied Calculus 2 ^{RRC4} | 3 |
| | PHYS 1050 | Physics 1: Mechanics ^{RRC5} | 3 |
| | "W" elective | One course that satisfies the university "writing" requirement | 3 |
| | CS elective 1 | Complementary studies elective ^a | 3 |
| Program courses and electives taught by the department | ECE 2160 | Electronics 2E ^{RRC6} | 5 |
| | ECE 2220 | Digital Logic Systems ^{RRC7} | 5 |
| | ECE 2262 | Electric Circuits ^{RRC8} | 4 |
| | ECE 2400 | Engineering Algorithms 1 | 4 |
| | ECE 3400 | Engineering Algorithms 2 | 4 |
| | ECE 3610 | Microprocessor Systems | 4 |
| | ECE 3700 | Telecommunication Network Engine | 4 |
| | ECE 3740 | Systems Engineering Principles 1 | 4 |
| | ECE 3760 | Digital Systems Design 1 | 4 |
| | ECE 3780 | Signal Processing 1 | 4 |
| | ECE 4150 or 4260 | Choose ONE of ECE 4150 Signal Processing 1 or ECE 4260 Communication Systems | 4 |
| | ECE 4240 | Microprocessor Interfacing | 4 |
| | ECE 4830 | Signal Processing 2 | 4 |
| | ECE 4600 | Group Design Project ^b | 6 |
| | Directed elective | Choose ONE of ECE 3630 Real-time Embedded Systems or ECE 4530 Parallel Processing or COMP 3010 Distributed Computing | 3 - 4 |
| | Tech elective 1 | ECE 4850 Topics in Electrical and Computer Engineering 1 ^{RRC9} | 4 |
| | Tech elective 2 | ECE 4860 Topics in Electrical and Computer Engineering 2 ^{RRC10} | 4 |
| | Tech elective 3 | Technical Elective from the approved list | 3 - 4 |
| Tech elective 4 | Technical Elective from the approved list | 3 - 4 | |
| Tech elective 5 | Technical Elective from the approved list | 3 - 4 | |
| Program courses taught by other academic departments | ANTH 2430 | Ecology, Technology and Society ^c | 3 |
| | COMP 1020 | Computer Science 2 | 3 |
| | COMP 2140 | Data structures: Analysis and Interpretation | 3 |
| | ENG 2040 | Engineering Communication: Strategies, Practice, and Design ^{RRC11} | 3 |
| | ENG 3000 | Engineering Economics | 3 |
| | MATH 2130 | Engineering Mathematical Analysis | 3 |
| | MATH 2132 | Engineering Mathematical Analysis 2 | 3 |
| | MATH 2136 | Mathematics for Computer Engineers | 3 |
| | PHYS 2152 | Modern Physics for Engineers | 3 |
| | STAT 2220 | Contemporary Statistics for Engineers ^d | 3 |
| Electives taught by other departments | CS elective 2 | Complementary studies elective ^a | 3 |
| | NS elective 1 | Natural science elective course from the approved list | 3 |
| | NS elective 2 | Natural science elective course from the approved list | 3 |
| | | Total Hours | 156.5 to 160.5 |

^a The complementary studies electives can be any course at the 1000 level or above from either the faculties of Arts or Management. However, ARTS 1110 may not be used for credit in the Price Faculty of Engineering.

^b Course continues through both terms with credit given upon completion.

^c ANTH 2430 is an Indigenous Knowledge course.

^d STAT 2220 is the recommended statistics course within this program, however STAT 1000 and STAT 2000 together are considered equivalent to STAT 2220.

| | |
|-------|--|
| RRC1 | RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND DIGI-1003 Digital Logic |
| RRC2 | RRC Polytech Equivalent Course: INST-2001 Heat Transfer and Thermodynamics |
| RRC3 | RRC Polytech Equivalent Course: MATH-2013 Calculus |
| RRC4 | RRC Polytech Equivalent Course: MATH-2013 Calculus AND MATH-3006 Applied Calculus |
| RRC5 | RRC Polytech Equivalent Course: PHYS-1001 Physics 1 AND PHYS-2001 Physics 2 |
| RRC6 | RRC Polytech Equivalent Course: DEVC-2004 Semiconductor Devices AND PROJ-3003 Final Project and Technical Thesis |
| RRC7 | RRC Polytech Equivalent Course: DIGI-1003 Digital Logic AND DIGI-2224 Digital Systems |
| RRC8 | RRC Polytech Equivalent Course: CIRC-1005 DC Circuits AND CIRC-2002 AC Circuits AND PROJ-3003 Final Project and Technical Thesis |
| RRC9 | RRC Polytech Equivalent Course: PLCS-1002 Instrumentation PLCs 1 AND PLCS-2002 Instrumentation PLCs 2 AND INST-2004 Process Measurements 2 |
| RRC10 | RRC Polytech Equivalent Course: DCOM-1009 Data Acquisition AND DCOM-2003 Electrical Systems 2 AND INST-1008 Robotics and Automation |
| RRC11 | RRC Polytech Equivalent Course: PROJ-1004 Project Management AND PROJ-3003 Final Project and Technical Thesis |

October 23, 2024

Dr. Marcia Friesen
Dean, Price Faculty of Engineering
University of Manitoba

Dear Dean Friesen,

I am writing to express my strong support for the articulation agreements that have been developed between RRC Polytech and UM Engineering degree programs. This initiative represents a pivotal step forward in enhancing the educational pathways for RRC Polytech graduates and bringing together the strengths of our two institutions for the benefit of Manitoba.

The key benefits of these agreements are substantial. RRC Polytech graduates will be admitted directly to the Price Faculty of Engineering based on their completion of our programs. This shift acknowledges the rigorous training and education RRC Polytech students receive. This opportunity for direct admission provides RRC Polytech graduates with a clear and assured pathway to further their education.

The inclusion of letters of support from industry partners underscores the broad-based endorsement of this initiative. These endorsements reflect the industry's recognition of the value and quality of RRC Polytech graduates as well as the high-quality Engineering degrees at University of Manitoba. I believe that our industry partners will directly benefit from our shared commitment to life-long learning and continued career development for engineering professionals in our province.

These articulation agreements align directly with the RRC Polytech strategic plan and our recent launch of the Price Institute of Advanced Manufacturing and Mechatronics. They support our overarching goals of providing high-quality education, fostering strong industry connections, and creating robust pathways for student success. By facilitating the progression of our graduates into UM Engineering programs, we are enhancing their career prospects and contributing to the development of highly skilled professionals who will drive innovation and growth in Manitoba.

My sincere thanks for your vision and leadership, Dr. Friesen, as well the leadership of our Dean of Skilled Trades and Technologies, Derek Kochenash. I also wish to recognize the academic leaders and faculty members who collaborated on the working group, undertaking detailed course mapping, along with the careful review of accreditation requirements for design content and P.Eng. instruction.

In conclusion, I wholeheartedly support the submission of these articulation agreements for consideration by the University of Manitoba Senate. I believe they will significantly benefit RRC Polytech graduates who wish to pursue Engineering degrees and contribute to meeting the high demand for diverse and highly-skilled engineering professionals in Manitoba.

Yours sincerely,

A handwritten signature in cursive script, appearing to read "C. Watson".

Dr. Christine Watson
Vice President, Academic
RRC Polytech

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University of Manitoba | Price
Faculty of Engineering
*Director, STARLab / Associate Professor
Department of Mechanical Engineering*

Alberto Velasco-Acosta
Economic Development
Winnipeg
Vice President, International

Dear Marcia Friesen,

Manitoba Aerospace fully endorses a formal Articulations Agreement between the Price Faculty of Engineering and RRC Polytech which will allow (1) adjustment of the admission requirements and, (2) guaranteed space in the program.

Early in my career as the Manager of Staff Development at Magellan Aerospace, I supported employees with a three-year Engineering Technology Diploma take engineering classes to obtain their Engineering degree at the Faculty of Engineering.

This was a great initiative because it provided employees the opportunity to upgrade their education and subsequently improve their chances to advancement in the company. It also highlighted a great retention strategy to keep talented employees.

By allowing RRC Polytech Engineering Technology graduates to obtain credits for similar course in the Engineering curriculum will significantly reduce redundancies. As Adult Learners, they not only have some previous education, they have also gained valuable work experience. This combination will make them an asset in the classroom and the other students will be able to benefit from their interaction on student assignments and projects.

Thank you for taking this articulation agreement to the UM Senate for formal standing. I fully support it.

Sincerely



Wendell C. Wiebe M.Ed. B.A.

CEO, Manitoba Aerospace Inc.



October 10, 2024

Marcia Friesen
Dean – Price Faculty of Engineering
University of Manitoba

Re: Support for proposed articulation agreement between RRC Polytech and Price Faculty of Engineering

Dear Marcia:

I am writing to express the Vehicle Technology Centre's support for the proposed articulation agreement between RRC Polytech's engineering technology programs and the Price Faculty of Engineering degree programs. We believe this collaboration is a forward thinking and strategic initiative that will enhance professional and academic opportunities for students in both institutions.

This not only underscores the commitment of both institutions to fostering educational excellence but also meets the evolving demands of the engineering industry, which increasingly values a diverse skill set blending hands-on experience with advanced theoretical understanding.

Such agreements will facilitate a more integrated approach to education, ensuring that students are well-equipped with the necessary tools and knowledge to excel in their future careers. It will also encourage a culture of collaboration, innovation, and continuous learning, benefiting both the students and the broader engineering and manufacturing community.

In conclusion, we firmly believe that the proposed articulation agreement will be a significant milestone in the educational journey of many aspiring engineers and technologists. We support this initiative and am confident that it will bring substantial benefits to all parties involved.

Sincerely,

Ron Vanderwees
President and CEO

Cc: Nestor Dudych – Executive Director VTC



October 24, 2024

Marcia Friesen, P.Eng., PhD, FEC, FCAE, FEIC
Dean, Price Faculty of Engineering
University of Manitoba

Dear Dean Friesen,

I am writing to you on behalf of the Board of Friends of Engineering. We are a unique group of Top-Level Manitoban industry influencers and employers who each share the Price Faculty of Engineering's vision of supporting students with the resources necessary to successfully navigate through their educational pursuits to be "market-ready" to contribute at a high level to the Manitoba economy. We are eager to show our support for an articulation agreement between RRC Polytech Engineering Technology Programs and the Price Faculty of Engineering degree programs.

An articulation agreement between these two prominent Manitoba technical programs will enhance the existing agreements between the two institutions, as well as the engineering industry and Manitoba business ecosystem.

Our mission is to provide students with the tools and connections they need to stay at the cutting edge of innovation. Our members are committed to maintaining the tradition of engineering education excellence here in Manitoba and we are proud to be doing so through Friends of Engineering. This agreement will benefit the engineering and technology industries within our Province to ensure that the bright minds and proven students who wish to advance their Technology education through an Engineering degree program will have a direct and low barrier path to accomplish, strengthening our industries and keeping key workers in Manitoba.

I encourage you to contact us if there is other information Friends of Engineering can provide to support the development of this articulation agreement.

Best,

Kiera Young, P.Eng.
Chair, Friends of Engineering

Katie Moist, P.Eng.
Vice-Chair, Friends of Engineering

2024 09 27

Marcia Friesen
Dean, Price Faculty of Engineering
University of Manitoba
Winnipeg, MB
Marcia.Friesen@umanitoba.ca

Dear Dean Friesen:

**RE: LETTER OF SUPPORT FOR RRC POLYTECH / PRICE FACULTY OF
ENGINEERING ARTICULATION AGREEMENTS**

I am writing to support your development of articulation agreements between RRC Polytech engineering technology programs and Price Faculty of Engineering programs for RRC Polytech graduates who wish to complete an engineering degree.

Manitoba Hydro has benefited from hiring engineering graduates of the Price Faculty of Engineering who have selected this pathway of education. Our organization looks forward to RRC Polytech and the Price Faculty of Engineering advancing initial agreements for graduates of RRC Polytech's Mechanical, Municipal, Environmental, and Geomatics engineering technology programs, with additional programs to follow.

Thank you for your leadership and contributions to advancing the engineering industry and the Manitoba economy.

Sincerely,



Hal Turner
Vice President
Manitoba Hydro

September 24, 2024

Dr. Marcia Friesen, Dean
University of Manitoba, Price Faculty of Engineering
Office of the Dean
Room E2-290N EITC
75A Chancellors Circle
Winnipeg, MB R3T 5V6

Dear Marcia,

RE: Letter of Support for RRC Polytech/Price Faculty of Engineering Articulation Agreements

I'm very pleased to hear that RRC Polytech and the Price Faculty of Engineering are considering an agreement whereby RRC Polytech engineering graduates, who wish to also complete an engineering degree at U of M, will have the opportunity to do so with less strain, including easier entry into second year engineering at U of M and receiving credit for their courses already taken. Anything that will accelerate their process to ultimately graduate with an engineering degree from the Price Faculty of Engineering at the University of Manitoba is good for our province.

The technologies and skills needed to be an effective and viable manufacturer in the world today have advanced materially in the last 20 years. If we expect our local manufacturing businesses to be or become world-class, able to compete effectively against the best US, European or other foreign manufacturers, we need more graduate engineers from the University of Manitoba. A RRC Polytech engineering graduate who then follows up with an engineering degree from the University of Manitoba, has an applied engineering skill that is in short supply in Manitoba today.

This close cooperation between the Price Faculty of Engineering and RRC Polytech is exactly what we need in Manitoba, to facilitate even more U of M engineering graduates with an applied or hands-on skill from their engineering technologist training from RRC Polytech. What a win for the province!

I've always believed that hiring an engineer is an investment in wealth creation. Engineers design and launch new products for our various companies, create new advanced manufacturing approaches and more efficient production lines, all of which enable the success of our local businesses, which is the basis of wealth creation for our province. This new agreement between RRC Polytech and the Price Faculty of Engineering is a huge step in the right direction, and I hope it is rapidly agreed to by both institutions.

Sincerely,



Gerry Price, Ph. D., P. Eng., FCAE, O.M.
Chairman and Chief Executive Officer
Price Industries



October 4, 2024

Price Faculty of Engineering
University of Manitoba
E2-290 Engineering and Information Technology Complex
75A Chancellors Circle
Winnipeg, MB
R3T 5V6

Attention: Dean Marcia Friesen. P.Eng., PhD, FEC, FCAE, FEIC

Re: RRC Polytech/Price Faculty of Engineering Articulation Agreement

Dear Dean Friesen,

Crosier Kilgour would like to provide our support for an Articulation Agreement between RRC Polytech and the Price Faculty of Engineering.

As a local company with a 70-year history in Manitoba, we have hired many graduates from both institutions over the years. We have witnessed firsthand the quality of the programs and graduates coming from each of these institutions.

Over the years, we have had a number of employees express interest in furthering their knowledge and understanding of engineering principles by returning to academia and obtaining a bachelor's degree from the University. We believe an Articulation Agreement will encourage many to fulfill this interest, resulting in individuals that are extraordinarily prepared to contribute to our industry and the economy of Manitoba.

We thank you for the opportunity to support this initiative.

Crosier Kilgour

Derek Mizak, P.Eng.
President

/tkm

October 16, 2024

University of Manitoba
Price Faculty of Engineering
Umanitoba.ca/engineering

Attention: Dr. Marcia Friesen P Eng
Dean, Price Faculty of Engineering

Re: Support for RRC Polytech / Price Faculty of Engineering Articulation Agreements

Dear Dean Friesen:

As a Principal representing KGS Group, a leading consulting engineering firm based in Manitoba, we strongly support and commend you on this initiative to proceed with articulation agreements between RRC Polytech and the Price Faculty of Engineering. We consider that a more fulsome transfer credit agreement is long overdue for the Price Faculty of Engineering and are aware that it has been successfully implemented at other universities such as the Lakehead University in Thunder Bay Ontario.

We recognize that there is a distinction between the more practical focus of the RRC Polytech diploma versus the more in-depth theoretical approach for an engineering degree. Graduates from the diploma program, however, should receive appropriate recognition and credits when entering the engineering faculty. In our experience, the combination of a diploma plus an engineering degree can produce some very effective Professional Engineers, including our current President of KGS Group, Rick Martin P Eng, CET.

We would be pleased to provide further support and input upon request.

Sincerely,

J. Bert Smith, P Eng, FEC
Principal

JBS/pd

October 22, 2024

Marcia Friesen
Dean, Price Faculty of Engineering
University of Manitoba
E2-290 EITC

Dear Dean Friesen,

I am writing to express my strong support for the proposed articulation agreements between RRC Polytech's Engineering Technology programs and the Price Faculty of Engineering at the University of Manitoba. This initiative represents a significant step forward in enhancing educational pathways for graduates and strengthening the engineering workforce in our province.

The creation of these agreements will not only facilitate the transition for RRC Polytech graduates into Engineering Degree programs, but also promote a more integrated approach to Engineering education. The adjustments in admission requirements and the guarantee of space in the second-year departmental programs are commendable aspects that will directly benefit students. By providing opportunities for graduates to continue their education with more accessible pathways, we are investing in the future of Engineering in Manitoba.

Furthermore, these agreements align with the industry's need for skilled engineers who are well-prepared to address the challenges of our dynamic economy. Strengthening the collaboration between RRC Polytech and the Price Faculty of Engineering will undoubtedly foster a robust pipeline of talent, ensuring that we have the skilled professionals necessary to drive innovation and growth in our engineering sector.

I wholeheartedly support this initiative and encourage all members of Manitoba's industries to lend their support as well. Together, we can help shape a brighter future for engineering education and the industry in Manitoba.

Thank you for considering this important initiative.

Sincerely,

MacDon Industries Ltd.



Kiera Young, P. Eng
Executive Vice President



Marcia Friesen, P. Eng
Dean, Price Faculty of Engineering
University of Manitoba
E2-290 EITC
P: 204.474-9806 • E: Marcia.friesen@umanitoba.ca

Marcia,

This letter is in support of the University of Manitoba-Red River College Polytech articulation agreement.

StandardAero supports the proposed path for graduates from the Red River College Polytech program to transfer credits into the Price Faculty of Engineering for an opportunity for a degree from the University of Manitoba. We feel this is important for us for the growth of our business and the development of our workforce locally in Manitoba, particularly in the field of engineering. This articulation agreement will potentially expand our pool of talent in Manitoba across the Aerospace Industry. We are happy to see this agreement will simplify and expedite the process to obtain an accredited engineering degree with previous technologist diploma credentials.

In closing, I am very happy to support this agreement.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brent Ostermann".

Brent Ostermann
Vice President, Product Assurance and Quality
Standard Aero
e-mail: brent.ostermann@standardaero.com

M: 204-294-5609

Report of the Senate Committee on Admissions concerning a proposal from the Faculty of Agricultural and Food Sciences to modify the direct entry admission requirements for the Diploma in Agriculture program (2025.09.23)

Preamble:

1. The terms of reference for this committee can be found at:
https://umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_Admissions_Terms_of_Reference.pdf
2. The Faculty of Agricultural and Food Sciences is proposing to modify the direct entry admission requirements for the Diploma in Agriculture program. The proposed change is to remove Math 45S from the high school mathematics course options in the direct entry admission requirements.
3. The proposal was approved by the Faculty of Agricultural and Food Sciences Faculty Council on June 17th, 2025 and was endorsed by SCADM on September 23rd, 2025.

Observations:

1. Math 45S is a half credit course and in order to meet eligibility students presenting Math 45S would have to present an additional half credit course to be eligible for admission.
2. It is rare that a student presents Math 45S and when they do there are often delays in our ability to extend an offer of admission as it takes time to determine if they have another half credit course that can be used to satisfy the requirements.
3. Removing this requirement will ensure that all conditional offers can be made in a timely manner and given that virtually no students present this course for admission it does not create a barrier for potential applicants.

Recommendation:

The Senate Committee on Admissions recommends that the proposal from the Faculty of Agricultural and Food Sciences to modify the direct entry admission requirements for the Diploma in Agriculture program be approved effective for the fall 2027 intake.

Respectfully submitted
Laurie Schnarr, Chair, Senate Committee on Admissions

[Comments of the Senate Executive Committee:](#)

[The Senate Executive Committee endorses the Report to Senate.](#)

Diploma in Agriculture Admission Modifications

Section 1: Description of Changes

- **Proposed Admission Modifications**

The School of Agriculture is proposing the removal of the Mathematics 45S course from the high school Mathematics course options in the Direct Entry requirements. The Mathematics requirement of Direct Entry will therefore be only “Mathematics 40S”.

- **Current requirements**

The current Direct Entry requirements of the Diploma program are listed as follows:

- A minimum average of 60% over the following:
 - English 40S
 - Mathematics 40S or 45S
 - One of Biology, Chemistry, Physics, or Computer Science 40S

- **Background information & Rationales:**

Per the Admissions Office, because Mathematics 45S is considered a half-credit course, it is not easily processed by the Banner system used to determine eligibility for admission. When Mathematics 45S is excluded from the Direct Entry (DE) Mathematics requirement, the Admissions Office can issue conditional offers earlier in the application cycle based on students’ self-reported grades. Due to limitations in the Banner system, the half-credit nature of Mathematics 45S delays this essential recruitment function.

Because the Admissions Office is currently unable to provide early conditional offers to prospective Diploma in Agriculture students, these applicants are at greater risk of accepting admission to alternative programs or institutions that can communicate decisions sooner. As it stands, students who apply to the Diploma program in November may not receive any updates from the UM until months later in the following spring. This delay places the program at a disadvantage, as many prospective students receive earlier offers and information from other institutions. As a result, final recruitment into the Fall Diploma cohort is negatively affected. Introducing the ability to offer conditional admission would significantly improve the competitiveness of the Diploma in Agriculture program, allowing students to consider multiple offers in a timely manner.

Mathematics 45S is uncommon for Manitoba high school students to complete, and the Admissions Office has confirmed that it has been used for admission only once according to their records.

The Diploma in Agriculture program also offers an Individual Consideration category for students without a suitable high school standing. This means that if future applicants

complete Mathematics 45S, they would still be eligible for admission consideration through the Individual Consideration category.

- **Effective Date of Proposed Modification**

We would like to request that the new admission take effect September 1, 2027 (the earliest intake eligible for the change).

Section 2: Consultation with Other Faculties

There are no impacts on other Faculties with the proposed admission changes to Diploma in Agriculture.

Section 3: Recommendation

The Faculty of Agricultural and Food Sciences is recommending that the Senate Committee on Admissions endorse the following changes for implementation in Fall 2027:

- Remove the Mathematics 45S course from the Mathematics requirement for DE.
- That the revised DE requirements for the Diploma in Agriculture program be as follows:
 - A minimum average of 60% over the following:
 - English 40S
 - Mathematics 40S
 - One of Biology, Chemistry, Physics, or Computer Science 40S

September 11, 2025

Report of the Senate Committee on Instruction and Evaluation RE: Modifications to Academic Regulations, Dr. Gerald Niznick College of Dentistry, Rady Faculty of Health Sciences

Preamble:

1. The terms of reference for the Senate Committee on Instruction and Evaluation (SCIE) can be found at: [https://www.umanitoba.ca/governance/sites/governance/files/2021-09/Senate Committee on Instruction and Evaluation Terms of Reference.pdf](https://www.umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_Instruction_and_Evaluation_Terms_of_Reference.pdf)
2. At its meeting on September 11, 2025 SCIE considered a proposal from the Dr. Gerald Niznick College of Dentistry, Rady Faculty of Health Sciences to modify its Academic Regulations with respect to program time limits.

Observations:

1. The College proposes that, for students in the DMD program, a maximum time limit of six years from date of admission and that, for students in the IDDP program, a maximum time limit of four years from date of admission is implemented. The College is also proposing that, for students in the DipDHyg program, a maximum time limit of four years from the commencement of HYGN courses, is implemented.
2. The Committee noted the importance of graduates of the above-noted programs engage in curriculum that is relevant and up to date with the practices in the field in order to provide high standards of care upon degree and/or diploma completion.
3. The Committee noted that there is adequate awareness of policies and supports available to students in the College with respect to leaves, withdrawals, and program requirements.
4. The proposed time limits are in line with other Colleges within the Rady Faculty of Health Sciences.

Recommendation

The Senate Committee on Instruction and Evaluation recommends:

THAT Senate approve the revisions to the Academic Regulations for the Doctor of Dental Medicine Program, International Dentists Degree Program and the revision to the Academic Regulations School of Dental Hygiene, Dr. Gerald Niznick College of Dentistry, Rady Faculty of Health Sciences, regarding maximum time limits, effective September 1, 2026.

Respectfully submitted,

Dr. Mark Torchia, Chair
Senate Committee on Instruction and Evaluation

[Comments of the Senate Executive Committee:](#)

[The Senate Executive Committee endorses the Report to Senate.](#)

Instrument fees and/or Clinical Instrument items are non-refundable. See also the chapter on General Academic Regulations and Requirements.

Students who withdraw from the Dr. Gerald Niznick College of Dentistry without notice will be considered to have terminated their connection with the college. If a subsequent application for registration is approved, they will be required to conform to the rules and regulations, fee schedules, sequence of courses, etc., in effect at the time of such subsequent application.

In cases where a student is obliged to withdraw after the final date of withdrawal published in the Calendar because of ill health or other sufficient reasons, their cases will be considered by the dean of the college.

REQUIRED WITHDRAWAL

Senate, at the request of some faculties and schools, has approved bylaws granting them the authority to require a student to withdraw on the basis of unsuitability for the practice of the professions to which the program of study leads. This right may be exercised at any time throughout the academic year or following the results of examinations at the end of every year.

This right to require a student to withdraw prevails notwithstanding any other provisions in the academic regulations of the particular faculty or school regarding eligibility to proceed or repeat.

Senate has approved such a bylaw for the Dr. Gerald Niznick College of Dentistry.

TIME LIMIT

DMD

The maximum time permitted for the completion of the DMD program is six years from the date of admission. Unless granted special permission by the Dentistry College Council, no student may exceed this six-year period to complete the program, including any authorized withdrawals, exceptional leaves, and/or repeated years.

IDDP

The maximum time permitted for the completion of the program is four years from the date of admission. Unless granted special permission by the Dentistry College Council, no student may exceed this four-year period to complete the program, including any authorized withdrawals, exceptional leaves, and/or repeated years.

Please Note: Electronic Textbook Fees, Clinical Instrument fees and/or Clinical Instrument items are non-refundable.

EXCEPTIONAL LEAVE

Students who need to request exceptional leave (i.e. medical, compassionate, or parental) must submit a written request to the Director of the School of Dental Hygiene. The request must clearly outline the reasons for the leave and the Director may require further supporting documentation to support the request. The duration of a leave will be included in the maximum number of years to complete the program. An exceptional leave shall typically not exceed a period of one (1) year. Students seeking reinstatement may be asked to provide documentation verifying their ability to meet the essential skills and abilities required for the program. Returning students must also provide current BLS certificate, official Criminal Record Search, Child Abuse Registry Check, and Adult Abuse Registry Check, as well as have the required immunizations up to date. Returning students will be required to comply with all relevant regulations in effect at the time of their return.

TIME LIMIT

Advanced Entry:

The maximum time permitted for students admitted to the Diploma in Dental Hygiene through Advanced Entry is four years from the commencement of HYGN courses; except with special permission from the Dentistry College Council, no student may exceed the four-year period for program completion, including any periods of authorized withdrawals, exceptional leaves, or repeated years. This timeline is subject to any regulations regarding the expiration of admission requirements.

Direct Entry

The maximum time permitted for students admitted to the Diploma in Dental Hygiene through Direct Entry is four years from the commencement of HYGN courses; except with special permission from the Dentistry College Council, no student may exceed the four-year period for program completion, including any periods of authorized withdrawals, exceptional leaves, or repeated years.

Report of the Senate Committee on University Research Re: Proposal to Establish an Endowed Professorship in Clinical Health Psychology

Preamble:

1. The terms of reference for the Senate Committee on University Research (SCUR) can be found at:
https://umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_University_Research_Terms_of_Reference.pdf
2. At its meeting on September 25, 2025, SCUR received for review, a proposal to establish an Endowed Professorship in Clinical Health Psychology.
3. [The University of Manitoba Procedure for Chairs and Professorships](#) specifies (section 2.4) “In the case of proposals for Chairs and Professorships that are primarily intended to enhance the University’s research programs, the Senate Committee on University Research shall recommend to Senate.”

Observations:

1. Dr. Peter Nickerson, on behalf of the Max Rady College of Medicine, Rady Faculty of Health Sciences, has submitted a proposal to establish a Professorship in Clinical Health Psychology.
2. The Professorship aligns with the strategic priorities of the Department of Clinical Health Psychology and the Max Rady College of Medicine, supporting shared goals of research excellence, clinical innovation, and academic leadership in clinical health psychology.
3. The Professorship in Clinical Health Psychology will be funded through an endowment established by the Department of Clinical Health Psychology, with a current market value of \$1,433,000 (as of April 20, 2025).
4. The Max Rady College of Medicine Executive Council met and endorsed the Clinical Health Psychology Professorship Terms of Reference on August 19, 2025.

Recommendation:

**The Senate Committee on University Research recommends THAT:
the Endowed Professorship in Clinical Health Psychology be approved by Senate.**

Respectfully submitted,



B. Mario Pinto
Vice-President (Research and International)
Chair, Senate Committee on University Research

[Comments of the Senate Executive Committee:](#)

The Senate Executive Committee endorses the Report to Senate.



Date: September 11, 2025

To: B. Mario Pinto, Vice-President (Research and International)

From: Diane Hiebert-Murphy, Provost and Vice-President (Academic) *Diane Hiebert-Murphy*

Re: Proposal to Establish an Endowed Professorship in Clinical Health Psychology

On behalf of the Max Rady College of Medicine, Dr. Peter Nickerson has submitted a proposal to establish an Endowed Professorship in Clinical Health Psychology within the Department of Clinical Health Psychology. This Professorship aligns with the priorities of the Department, Faculty, and University. The endowed Professorship in Clinical Health Psychology will advance research excellence, faculty development, partnership and collaboration, academic mentorship, healthcare innovation, and patient outcomes.

The policy on Chairs and Professorships specifies that:

- (1) Professorships are established to advance the University's academic goals and objectives
- (2) Professorships must be funded by way of an endowment or through a schedule of annual expendable gifts for at least five years or by a combination of endowment and annual expendable gifts.
- (3) Newly established Endowed Professorships require a minimum funding of \$1 million, a minimum research budget of \$15,000 per annum, and a maximum stipend of \$10,000 per annum (which can only change at renewal).
- (4) The funding for a Professorship normally must be sufficient to cover at least 20 percent of the salary and benefits of the incumbent and an appropriate level of unrestricted research/scholarly support.
- (5) Professorships shall normally be attached to a department, faculty, school, college, centre, or institute of the University, and the goals of the Professorship shall be consistent with that unit.
- (6) The establishment of a Professorship normally shall not be tied to the appointment of a particular person.
- (7) Individuals appointed to the Professorship shall normally have the academic qualifications commensurate with an appointment at the rank of Assistant Professor, Associate Professor, or Professor.
- (8) The initial term of the appointment of the Professorship shall be 5 years, and if renewal is permitted, such renewal shall be subject to a successful performance review and the availability of funds.

The proposed Professorship meets the above requirements and will be funded through an endowment established by the Department of Clinical Health Psychology, with a current market value of \$1,433,000 (as of April 20, 2025). Interest revenue from the endowment will support salary funding to achieve 50% protected academic time for the appointee, and, when funding allows, will also provide unrestricted research support in the form of operating funds.

I support this proposal and request that you present it to the Senate Committee on University Research for consideration and recommendation to the Senate and, in turn, the Board of Governors.

If you have any questions or concerns, please let me know, and I would be happy to arrange a meeting with you.



September 9, 2025

Dr. Diane Hiebert-Murphy
Provost and Vice-President (Academic)
210 Administration Building
University of Manitoba
Winnipeg, MB R3T 2N2

Dear Dr. Hiebert-Murphy,

Re: Clinical Health Psychology Professorship Proposal Terms of Reference

The purpose of the endowed Professorship in Clinical Health Psychology is to obtain research excellence and faculty development, build partnership and collaboration, strengthen research findings and competitive advancement, support academic mentorship training, improve healthcare innovation and community impact, as well as conduct clinical research and improve patient outcomes.

The professorship will be funded through an endowment already established at the University of Manitoba by the Department of Clinical Health Psychology. The interest revenue generated from the capital in the endowment fund, currently at a market value of \$1,433,000 will be used to provide the salary funding to reach the goal of 50% protected academic time. The revenue generated from this fund will support a portion of the salary for the appointee; when funding allows it will also support an appropriate level of unrestricted research support for the Professorship in the form of operating funds. This annual disbursement amount will be in accordance with the University of Manitoba's current policies on endowment funds and will cover a portion of the University of Manitoba salary and benefits as well as potentially provide research support, as stipulated in the Policy and Procedures for establishing Chairs and Professorships.

The Max Rady College of Medicine Executive Council met and endorsed the Clinical Health Psychology Professorship Terms of Reference on August 19, 2025.

I support this proposal enthusiastically and without reservation. I look forward to your response in due course. Please let me know if you require any additional information.

Sincerely,

Peter Nickerson, MD, FRCPC, FCAHS
Vice-Provost (Health Sciences) and Distinguished Professor
Dean, Rady Faculty of Health Sciences
Dean, Max Rady College of Medicine

Attachment

CC Richard Keijzer, MD, Associate Dean, Research, Max Rady College of Medicine
Lesley Graff, MD, Department Head, Clinical Health Psychology, Max Rady College of Medicine

PROPOSAL TO ESTABLISH A PROFESSORSHIP IN CLINICAL HEALTH PSYCHOLOGY AT THE UNIVERSITY OF MANITOBA

EXECUTIVE SUMMARY:

In accordance with the procedures and mechanisms for establishing Chairs and Professorships at the University of Manitoba, the Department of Clinical Health Psychology, Max Rady College of Medicine, Rady Faculty of Health Sciences requests approval for the establishment of a Professorship in Clinical Health Psychology.

TYPE OF APPOINTMENT:

Professorship

AREA OF PROFESSORSHIP:

Clinical Health Psychology

PURPOSE AND OBJECTIVES OF THE PROFESSORSHIP:

The Professorship in Clinical Health Psychology represents a strategic investment in advancing psychological science and patient care. The holder of this endowed position will lead research that informs the understanding of psychological processes in health, translate findings into effective clinical interventions and improved access, and mentor the next generation of researchers and practitioners. Through sustained funding and academic freedom, this position will strengthen the department's ability to address critical challenges in psychological care while ensuring these advances continue through future generations of psychologist clinician-scientists.

The establishment of this professorship within the Department of Clinical Health Psychology will advance several key objectives:

Research Excellence and Faculty Development

Recruiting a high performing early career or distinguished established career clinician scholar with demonstrated excellence in clinical health psychology research. The Professorship will provide essential resources and support to establish a robust research program within the Department of Clinical Health Psychology.

Strategic Partnerships and Collaboration

Building vital relationships within the University of Manitoba, nationally, and internationally that enhance our clinical health psychology research profile and impact. These connections will

span academic departments, healthcare facilities, and organizations.

Research Funding and Competitive Advancement

Strengthening the University's competitive position in securing national and international research funding, particularly in areas related to psychological aspects of health, illness, treatment, and prevention.

Academic Mentorship and Training

Supporting the supervision and mentorship of psychology residents, graduate students, UGME and PGME learners, and post-doctoral fellows pursuing research activities with the department.

Healthcare Innovation and Community Impact

Improving healthcare delivery through evidence-based psychological interventions and services, with particular attention to Manitoba's diverse communities and addressing health disparities through psychological and behavioral approaches.

Clinical Research and Patient Outcomes

Conducting research that impacts patient care, which may include but is not limited to psychological processes in health and disease, psychological interventions, improving health outcomes, enhancing quality of life, improving access and outreach, and improving disease management and trajectories across various clinical conditions.

RELATIONSHIP AND PROPOSING UNIT:

The Professorship will be established within the Department of Clinical Health Psychology, Max Rady College of Medicine, Rady Faculty of Health Sciences at the University of Manitoba. The Department of Clinical Health Psychology will be responsible for the administration of the Professorship and will work in collaboration with the Max Rady College of Medicine to ensure alignment with strategic priorities and academic standards.

The Professorship will support an individual clinician-scientist by providing salary support to pursue independent research. This support is expected to be paired with funding through the Department of Clinical Health Psychology typically in partnership with Shared Health to ensure funding of a full time clinical and academic GFT position. This support will allow the recipient to maximize their research activity and effectiveness, as well as lead research activities in the Department and Faculty. Excellence of the candidate will be the first priority.

During such periods when the Professorship is unoccupied, the spending allocation (i.e., interest accrued) from the professorship may also be used for priorities that support the research mandate of the department, including but not limited to department contribution of startup funding for an incoming Professorship candidate or other department GFT recruit, re-investment in the capital to build toward a chair or additional professorship, or other research-related funding needs of the department.

METHOD BY WHICH THE PROFESSORSHIP WILL BE FUNDED:

The Professorship will be funded through an endowment fund already established at the University of Manitoba by the Department of Clinical Health Psychology. The interest revenue generated from the capital in the endowment fund, currently at a market value of \$1,433,000 as of April 20, 2025 will be used to provide the salary funding to reach the goal of 50% protected academic time. The revenue generated from this fund will support a portion of the salary for the appointee; when funding allows it will also support an appropriate level of unrestricted research support for the Professorship in the form of operating funds. This annual disbursement amount will be in accordance with the University of Manitoba's current policies on endowment funds and will cover a portion of the University of Manitoba salary and benefits as well as potentially provide research support, as stipulated in the Policy and Procedures for establishing Chairs and Professorships.

GENERAL AND SPECIFIC ACADEMIC REQUIREMENTS FOR THE PROFESSORSHIP:

In accordance with the Procedures and Mechanisms for establishing Chairs and Professorships at the University of Manitoba, individuals appointed to the "Professorship in Clinical Health Psychology" shall have the following qualifications.

- Canadian Citizen or permanent resident will be prioritized; attracting new clinical psychologist talent to the province will be prioritized.
- Ph.D. or Psy.D. in Clinical Psychology from a CPA or APA accredited program, including completion of a CPA or APA accredited residency.
- Hold a Geographic full-time (GFT) appointment in the Department of Clinical Health Psychology, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba, at rank of Assistant Professor, Associate Professor or full Professor.
- Current registration or eligibility for registration as a Psychologist (C.Psych) in Manitoba
- History of excellence in research or clear demonstrated potential as evidenced by, for example, high quality research output, successful and promising research projects and programs including demonstrated ability or experience in leading research programs and groups, success in funding, and significant contributions to the academic and clinical community at the local, national and/or international level.
- History of effective and productive collaboration with intramural and extramural investigators and institutions.
- Experience mentoring/supervising learners such as clinical students, psychology or medical residents, and /or early-career colleagues.

TERM OF THE APPOINTMENT

The term of appointment will be for five (5) years, with the possibility of a renewal for one

additional five-year term based on satisfactory performance review as outlined below, and availability of funding. Alternatively, selection for a new recipient may be initiated each 5-year cycle.

The initial appointment and any subsequent renewals will be subject to:

- Review and recommendation by the Department Head of Clinical Health Psychology and the Department's Research Director
- Approval by the Dean of the Max Rady College of Medicine
- Compliance with University of Manitoba policies regarding academic appointments
- Successful annual performance review as outlined in the evaluation criteria

The incumbent will provide an annual progress report to the Department Head and Research Director, in accordance with the University Policy on Chairs and Professorships, and will participate in an annual research review by the Department Head or Designate. In addition to the reporting requirements stipulated in this policy, the incumbent shall provide an annual report of teaching and research activities to the Dean of the Max Rady College of Medicine. In turn, the Dean/Director of Research shall provide a copy of the said report only to individuals who have specifically requested this information on a need-to-know basis.

The renewal of the appointment for an additional term, conditional upon available funds, will be determined early in the final year of the term subject to a successful review of the incumbent's performance within the context of the appointee's home department. The process of renewal will be initiated and jointly coordinated by the Vice Dean Research, Rady Faculty of Health Sciences.

A successful performance review will provide evidence of the following:

Program of Research, Scholarly Work and Creative Activities:

The Professorship holder is developing or has an established program either individually and/or as a team. There is evidence of leadership.

Knowledge Generation and Communication:

Publications:

- There is evidence of sustained dissemination of new knowledge that is directed towards the academic and healthcare community.

Presentations:

- There is evidence of communication of research findings to the academic, professional, and stakeholder communities on a regular basis.

Funding:

- Operating – There is evidence that the Professorship holder plays a leading role in successful applications to competitive funding organizations individually or as a member of a team.
- Student Funding – The Professorship holder is expected to assist research trainees under their supervision with funding applications.

Student Supervision:

- The Professorship holder is expected to be involved in the supervision of research and clinical

trainees.

OTHER PROVISIONS

- 1) The selection and appointment process for the Clinical Health Psychology Professorship shall follow section 2.3 of University Policy on Chairs and Professorships. When possible, the selection committee will include a former holder of the Professorship or a senior GFT faculty member of the Department of Clinical Health Psychology with significant research experience.
- 2) The Professorship recipient will be selected by a committee comprising the following members:
 - a. Chair: Head, Department of Clinical Health Psychology
 - b. Vice-Dean of Research or delegate, Rady Faculty of Health Sciences
 - c. Shared Health Chief Medical Officer or delegate
 - d. Director of Research, Clinical Health Psychology
 - e. Residency Program Director, Clinical Health Psychology
 - f. Three CHP clinical faculty as internal members-at-large
 - g. Optional: external member from the Max Rady College of Medicine, at Chair discretion
- 3) The duties and responsibilities of the appointed Professor will align with University Policy on Chairs and Professorships, with specific emphasis on clinical health psychology research and practice.
- 4) Annual reporting requirements shall be abided in accordance with the University Policy on Chairs and Professorships.
- 5) The holder of the Professorship will have an appointment in the Department of Clinical Health Psychology and some clinical activity to ensure a clinical profile. Adjunct or cross appointment to an appropriate affiliated department may also be considered. The Professorship holder is expected to participate in teaching activities, which may include teaching of UGME and PGME students including psychology residents, as well as, potentially, graduate students and post-doctoral fellows, and provision of mentorship for research trainees working under their supervision.
- 6) The role of the Professor will be to contribute significantly to the body of research and scholarship in the Department of Clinical Health Psychology and the broader university community. The incumbent will provide acknowledgment of the professorship in all publications, presentations, affiliations, and dissemination materials. Accordingly, the appointment of the Professor will be made on the recommendation of the Department of Clinical Health Psychology and shall be conducted in accordance with the University policy in Academic Appointments and the guidelines for the establishment of Professorships.
- 7) The Rady Faculty of Health Sciences is strongly committed to engagement with Indigenous communities – where we listen to Indigenous knowledge (particularly residing with Indigenous knowledge holders and elders), where we empower and support Indigenous perspectives, and where we enter into a new knowledge-sharing relationship with Indigenous

people. The Professor may elect to seek advice from Indigenous scholars within the Faculty and will draw and build upon the Faculty's ongoing relationships and engagements with Indigenous communities and Elders, and youth.

- 8) UM values freedom of expression and has a clear policy on academic freedom, which is enshrined in the university's governing documents, including our Academic Freedom and Responsibilities Policy (http://umanitoba.ca/governance/sites/governance/files/2021-06/Academic%20Freedom%20and%20Responsibilities%20Policy%201988_09_22%20RF.pdf). In keeping with the principles set out in UM governing documents, those persons engaged in teaching, research, and dissemination of knowledge are entitled to freedom in discussing their subjects and freedom from institutional censorship, penalties, and reprisals.
- 9) The University of Manitoba is committed to the principles of equity, diversity & inclusion and to promoting opportunities in hiring, promotion and tenure (where applicable) for systemically marginalized groups who have been excluded from full participation at the University and the larger community including Indigenous Peoples, women, racialized persons, persons with disabilities and those who identify as 2SLGBTQIA+ (Two Spirit, lesbian, gay, bisexual, trans, questioning, intersex, asexual and other diverse sexual identities). All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

Date: August 4, 2025

Approved:

Report of the Senate Committee on University Research Re: Proposal to Establish an Endowed Professorship in Internal Medicine Clinical Science

Preamble:

1. The terms of reference for the Senate Committee on University Research (SCUR) can be found at:
https://umanitoba.ca/governance/sites/governance/files/2021-09/Senate_Committee_on_University_Research_Terms_of_Reference.pdf
2. At its meeting on September 25, 2025, SCUR received for review, a proposal to establish an Endowed Professorship in Internal Medicine Clinical Science .
3. [The University of Manitoba Procedure for Chairs and Professorships](#) specifies (section 2.4) “In the case of proposals for Chairs and Professorships that are primarily intended to enhance the University's research programs, the Senate Committee on University Research shall recommend to Senate.”

Observations:

1. Dr. Peter Nickerson, on behalf of the Max Rady College of Medicine, Rady Faculty of Health Sciences, has submitted a proposal to establish a Professorship in Internal Medicine Clinical Science.
2. The purpose of the Professorship is to advance leadership, scholarship, mentorship, and education in clinical research related to diagnosis, practice, management and/or outcomes in disease areas of relevance to internal medicine.
3. The Professorship in Clinical Health Psychology will be funded through a \$1.0 million endowment by the Department of Internal Medicine.
4. The Max Rady College of Medicine Executive Council met and endorsed the Internal Medicine Clinical Sciences Professorship Terms of Reference on August 19, 2025.

Recommendation:

**The Senate Committee on University Research recommends THAT:
the Endowed Professorship in Internal Medicine Clinical Science be approved by Senate.**

Respectfully submitted,



B. Mario Pinto
Vice-President (Research and International)
Chair, Senate Committee on University Research

[Comments of the Senate Executive Committee:](#)

The Senate Executive Committee endorses the Report to Senate.



Date: September 16, 2025

To: B. Mario Pinto, Vice-President (Research and International)

From: Diane Hiebert-Murphy, Provost and Vice-President (Academic)

Re: Proposal to Establish an Endowed Professorship in Internal Medicine Clinical Science

On behalf of the Max Rady College of Medicine, Dr. Peter Nickerson has submitted a proposal to establish an Endowed Professorship in Internal Medicine Clinical Science within the Department of Internal Medicine. This Professorship aligns with the priorities of the Department, Faculty, and University. The Endowed Professorship in Internal Medicine will advance leadership, scholarship, mentorship, and education in clinical research. It will be the first professorship focused specifically on diseases and care in acute care internal medicine units, emphasizing the importance of high-quality research to improve clinical outcomes and care processes in internal medicine.

The policy on Chairs and Professorships specifies that:

- (1) Professorships are established to advance the University's academic goals and objectives
- (2) Professorships must be funded by way of an endowment or through a schedule of annual expendable gifts for at least five years or by a combination of endowment and annual expendable gifts.
- (3) Newly established Endowed Professorships require a minimum funding of \$1 million, a minimum research budget of \$15,000 per annum, and a maximum stipend of \$10,000 per annum (which can only change at renewal).
- (4) The funding for a Professorship normally must be sufficient to cover at least 20 percent of the salary and benefits of the incumbent and an appropriate level of unrestricted research/scholarly support.
- (5) Professorships shall normally be attached to a department, faculty, school, college, centre, or institute of the University, and the goals of the Professorship shall be consistent with that unit.
- (6) The establishment of a Professorship normally shall not be tied to the appointment of a particular person.
- (7) Individuals appointed to the Professorship shall normally have the academic qualifications commensurate with an appointment at the rank of Assistant Professor, Associate Professor, or Professor.
- (8) The initial term of the appointment of the Professorship shall be 5 years, and if renewal is permitted, such renewal shall be subject to a successful performance review and the availability of funds.

The proposed Professorship position meets the above requirements and will be funded through a \$1.0 million endowment by the Department of Internal Medicine. The investment income from this endowment will be available for salary and/or operating support through annual spending allocation. As specified in the Terms of Reference, the annual stipend will be \$40,000 for GFT appointees (to offset lost clinical income) and \$10,000 for UMFA members. In addition, opportunities to leverage these funds will be explored through programs offered by the Vice President Research and International Office.

I support this proposal and request that you present it to the Senate Committee on University Research for consideration and recommendation to the Senate and, in turn, the Board of Governors.

If you have any questions or concerns, please let me know, and I would be happy to arrange a meeting with you.



August 26, 2025

Dr. Diane Hiebert-Murphy
Provost and Vice-President (Academic)
210 Administration Building
University of Manitoba
Winnipeg, MB R3T 2N2

Dear Dr. Hiebert-Murphy,

Re: Professorship in Internal Medicine Clinical Science Terms of Reference

The purpose of the endowed Professorship in Internal Medicine is to advance leadership, scholarship, mentorship, and education in clinical research related to diagnosis, practice, management and/or outcomes in disease areas of relevance to internal medicine.

The professorship will be funded through a \$1.0 million endowment by the Department of Internal Medicine. The investment income will be available to the chair for salary and/or operating support through annual spending allocation. The annual salary stipend for a GFT is \$40,000 to replace missed clinical income. If the professorship holder is an UMFA member, the annual salary stipend is \$10,000.

The Max Rady College of Medicine Executive Council met and endorsed the Internal Medicine Clinical Sciences Professorship Terms of Reference on August 19, 2025.

I support this proposal enthusiastically and without reservation. I look forward to your response in due course. Please let me know if you require any additional information.

Sincerely,

Peter Nickerson, MD, FRCPC, FCAHS
Vice-Provost (Health Sciences) and Distinguished Professor
Dean, Rady Faculty of Health Sciences
Dean, Max Rady College of Medicine

Attachment

CC Nick Hajdiacos, MD, Department Head, Internal Medicine, Max Rady College of Medicine

May 20th, 2025

Peter Nickerson, MD, FRCPC, FCAHS

Vice-Provost (Health Sciences) and Dean
Distinguished Professor of Medicine and Immunology
Flynn Family Chair in Renal Transplantation
Max Rady College of Medicine | University of Manitoba
Rady Faculty of Health Sciences | University of Manitoba
Medical Consultant, Transplant Immunology Laboratory
Health Sciences Centre Winnipeg | Shared Health

Dear Dean Nickerson,

This letter is written to support the Proposal to establish a Professorship in Internal Medicine in Clinical Science. This Professorship was present and approved at the June 12th 2024 Department of Medicine Executive Committee meeting.

We have included the Proposal for the Professorship for your review.

We look forward to your support of the Proposal for this Professorship once you have reviewed it.

Please advise if this will be put on the August 19th 2025 College Executive Council Meeting Agenda.

Sincerely,



Nick Hajdiacos, MD, FRCPC
Associate Professor of Medicine
Provincial Specialty Lead, Medicine
Department Head (Medicine), Rady Faculty of Health Sciences

**PROPOSAL TO ESTABLISH A
PROFESSORSHIP IN INTERNAL MEDICINE CLINICAL SCIENCE
AT THE UNIVERSITY OF MANITOBA**

EXECUTIVE SUMMARY:

In accordance with the procedures and mechanisms for establishing Chairs and Professorships at the University of Manitoba, the Department of Internal Medicine, Max Rady College of Medicine, Rady Faculty of Health Sciences requests approval for the establishment of a Professorship in Clinical Science.

TYPE OF APPOINTMENT: Professorship

AREA: Professorship in Internal Medicine Clinical Science

PURPOSE AND OBJECTIVES OF PROFESSORSHIP:

The professorship aims to advance leadership, scholarship, mentorship and education in clinical research related to diagnosis, practice, management and/or outcomes in disease areas of relevance to internal medicine. Establishment of the professorship will allow the Department of Internal Medicine, Max Rady College of Medicine to:

- promote clinical, translational, and epidemiologic research in areas relevant to internal medicine and/or clinical trials research
- recruit or retain a clinical researcher with demonstrated expertise, and emerging or established leadership capabilities
- establish and sustain intramural and extramural collaborations, to promote research and clinical trials leadership at the University
- enhance the University's competitiveness in national and international peer-reviewed competitions for funding of research relevant to internal medicine
- enhance the University's competitiveness in leading national and international clinical trials of relevance to internal medicine
- provide mentorship and educational opportunities for trainees and new researchers who will pursue careers focused on areas relevant to internal medicine
- pursue research and clinical trials that will lead to improved health for individuals with disorders relevant to internal medicine and ensure that high quality care is available for individuals in Manitoba
- Contribute to the development of a learning health system within internal medicine, highlighted by clinical research embedded within process of care

RELATIONSHIP TO THE PROPOSING UNIT

The Department of Internal Medicine, Max Rady College of Medicine, Rady Faculty of Health Sciences oversees academic and research activities related to internal medicine.

The Department of Internal Medicine values research and the contribution it can make to our students, patients, community and the University to the point where the Department has contributed more than \$10 million over the past 15 years to various projects. Although the Department has supported multiple research chairs/professorships, this will be the first professorship specifically dedicated to diseases and care provided in acute care Internal Medicine units. The professorship will complement existing chairs and expand the Department's research focus on improving clinical outcomes and care processes. This particular area of focus highlights

the importance of high-quality research to improve clinical outcomes and processes of care in internal medicine, with an emphasis on acute inpatient medicine. The successful candidate is expected to embed or collaborate closely with existing research teams and research units in Manitoba.

THE METHOD BY WHICH THE PROFESSORSHIP WILL BE FUNDED:

The professorship will be funded through a \$1,000,000 endowment by the Department of Internal Medicine. The investment income will be available to the professorship holder for salary and/or operating support through an annual spending allocation. The annual salary stipend for a GFT is \$40,000 to replace missed clinical income. If the professorship holder is an UMFA member, the annual salary stipend is \$10,000. The annual disbursement amount will be in accordance with the University of Manitoba's current policies on endowment funds as stipulated in the Policy and Procedures for establishing Chairs and Professorships.

In addition, opportunities to leverage these funds will be explored through programs offered by the Vice President Research and International Office for recruitment of new faculty to an endowed professorship.

GENERAL AND SPECIFIC ACADEMIC REQUIREMENTS FOR THE PROFESSORSHIP

In accordance with the Procedures and Mechanisms for establishing Chairs and Professorships at the University of Manitoba, individuals appointed to the "*Professorship in Internal Medicine Clinical Science*" shall have the following qualifications:

- Canadian Citizen or permanent resident will be prioritized
- M.D. with Royal College certification in an internal medicine subspecialty
- Holds an academic appointment at the rank of Assistant Professor, Associate Professor or Professor
- Demonstrated or emerging in research as evidenced by a strong, impactful publication record and acquisition of national or international peer reviewed grants or contracts
- Proven record of mentoring students, junior faculty, and investigators
- Effective and productive collaboration with internal and external investigators and institutions
- Commitment to advancing equity, diversity, inclusion, and accessibility in research practice, mentorship and collegiality

TERM OF APPOINTMENT:

- The initial term of the appointment is five years, renewable for additional five-year terms, based on satisfactory productivity and achievement with no predetermined term limit
- In accordance with the University Policy on Chairs and Professorships, the incumbent will submit an annual progress report of teaching and research activities to the Dean of the Max Rady College of Medicine and the Head of the Department of Internal Medicine. In turn, the Dean/Director of Research shall provide a copy of the said report only to individuals who have specifically requested this information on a need-to-know basis.
- Consistent with the Department of Internal Medicine policies, a research review will take place in year two of the award by the department's Research and Faculty Development Committee, chaired by the Department's Associate Head – Research.
- The renewal process for additional terms will occur in the final year of the current term subject to a successful review of the incumbent's performance within the context of the Department of Internal Medicine's Research Review policy; the

process of review will be initiated and coordinated by the Head of the Department of Internal Medicine.

A successful performance review will provide evidence of the following:

A. Program of Research, Scholarly Work and Creative Activities

The Professorship holder is developing or has an established program either individually and/or as a team. There is evidence of leadership.

B. Knowledge Generation/Communication

1. **Publications** – There is evidence of sustained dissemination of new knowledge that is directed towards the academic and/or healthcare community.
2. **Presentations** – There is evidence of communication of research findings to the academic, professional, or stakeholder community on a regular basis.
3. **Collaborations and Partnerships** – There is evidence of effective team building and networking involving, but not limited to, investigators, staff and trainees working on acute medical units in the Section or General Internal Medicine for the purpose of creating research capacity, external grant support, training opportunities, stakeholder engagement, knowledge mobilization and/or multi-sector knowledge dissemination.

C. Funding

1. **Operating** – There is evidence that the Professorship holder plays a leading role in successful applications to competitive funding organizations individually or as a member of a team.
2. **Clinical Trials** – If applicable, there is evidence that the Professorship holder plays a leading role in supporting and enrolling into externally funded clinical trials (local, national, or international), creating a local site of excellence.
3. **Student Funding** – The Professorship holder is expected to support and assist their research trainees in applying for funding.

D. Student Supervision

The Professorship holder is expected to actively and successfully supervise and mentor research and clinical trainees.

E. OTHER PROVISIONS:

- 1) The selection and appointment of an individual to the proposed Professorship shall be conducted in accordance with the University Policy and Procedures on Chairs and Professorships
- 2) The duties and responsibilities of the individual appointed to the proposed Professorship will be in accordance with the University Policy and Procedures on Chairs and Professorships.

The Professorship holder will have a cross appointment to an applicable Department for the purpose of graduate training. The incumbent will participate in an appropriate amount of teaching activity, including for undergraduate and post-graduate medical trainees and graduate students, where appropriate.

The incumbent will contribute significantly to the body of research and scholarship in the Department of Internal Medicine and the broader university community. The incumbent will provide acknowledgment of the professorship in all publications, presentations, affiliations, and dissemination materials.

- 3) The Rady Faculty of Health Sciences is strongly committed to engagement with Indigenous communities – where we listen to Indigenous knowledge (particularly residing with Indigenous knowledge holders and elders), where we empower and support Indigenous perspectives, and where we enter into a new knowledge-sharing relationship with Indigenous people. The Professor may elect to seek advice from Indigenous scholars within the Faculty and will draw and build upon the Faculty’s ongoing relationships and engagements with Indigenous communities and Elders, and youth.
- 4) UM values freedom of expression and has a clear policy on academic freedom, which is enshrined in the university’s governing documents, including our Academic Freedom and Responsibilities Policy (http://umanitoba.ca/governance/sites/governance/files/2021-06/Academic%20Freedom%20and%20Responsibilities%20Policy%201988_09_22%20RF.pdf). In keeping with the principles set out in UM governing documents, those persons engaged in teaching, research, and dissemination of knowledge are entitled to freedom in discussing their subjects and freedom from institutional censorship, penalties, and reprisals.
- 5) The University of Manitoba is committed to the principles of equity, diversity & inclusion and to promoting opportunities in hiring, promotion and tenure (where applicable) for systemically marginalized groups who have been excluded from full participation at the University and the larger community including Indigenous Peoples, women, racialized persons, persons with disabilities and those who identify as 2SLGBTQIA+ (Two Spirit, lesbian, gay, bisexual, trans, questioning, intersex, asexual and other diverse sexual identities). All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

Senate Assessment Survey 2025 Summary Report

This report summarizes the results of the Senate Assessment Survey administered in May 2025, outlining key findings and major themes that emerged in the survey responses.

The Senate Assessment Survey was administered between April 23 and May 22, 2025. The survey was sent to all voting members of Senate and to Senate assessors. A total of 53 responses were received; not all respondents responded to every question. The survey was administered by the Centre for Social Science Research and Policy, and the results were summarized and provided to the Office of the University Secretary.

The Senate Assessment Survey included 31 survey items, including general information, Senate assessment, Senator self-assessment, Senate meetings and information, Senate Chair, and Senate Committees. As part of the Survey, there were 13 open-ended questions.

Notable Results

Part 1 – Participants

- Respondents were 57% faculty members, 26% administrators, 13% students and 4% other.
- 28% have served less than one year on Senate and 53% have served for three years or more.

Part 2 – Senate Assessment Questions

- Most respondents agreed or strongly agreed with each of the statements in the general Senate assessment section. A few areas where there was a higher level of disagreement or strong disagreement with the statements are outlined below. The responses all show improvement from the last Senate Assessment Survey results from 2021.
 - 34% of participants disagreed or strongly disagreed with the statement “academic approval processes are timely”. (39% in 2021)
 - 30% of participants disagreed or strongly disagreed with the statement “I am comfortable asking questions during Senate meetings”. (39% in 2021)
 - 22% of participants disagreed or strongly disagreed with the statement “I am comfortable expressing views during Senate meetings”. (36% in 2021)
- Several recurring themes were raised in the open-ended responses to this series of questions, including:
 - **Limited participation and discussion:** Many feel Senate meetings are dominated by presentations with little opportunity for meaningful debate.
 - **Work done at Committee level:** Most decisions appear to be made in committees; suggest using consent agenda more for these reports and allocating

- time for discussion of strategic topics at Senate, possibly using smaller group discussions.
- **Intimidation and hierarchy:** Some Senators feel uncomfortable speaking, especially if not part of a known group or leadership.
 - **Concerns about inclusivity and safety:** Some feel Senate discussion is dominated by the UMFA executive, making it less welcoming.
 - **Technical issues:** Poor audio/visual setup hinders participation, especially between campuses.
- In response to the question “in what ways do you think Senate could better fulfill its role, the following themes emerged:
 - **Streamlining processes:** Delegate routine approvals to committees; focus Senate on strategic issues.
 - **Hybrid and flexible formats:** Suggestions for electronic voting and hybrid meetings to improve accessibility and efficiency. Improve Senate meeting space.
 - **Strategic and forward-looking discussions:** Calls for Senate to engage in broader institutional issues like AI, student outcomes, and academic priorities.
 - **Have more discussions of major issues for input before they are brought forward for final approval.**
 - **Encouraging broader participation:** More inclusive and open debate, especially for newer or less vocal members.
 - Several issues or priorities for Senate to consider in the upcoming year were suggested:
 - **Student success and retention:** Address attrition, graduation timelines, and curriculum delivery.
 - **Research Funding and the implementation of the Strategic Research Plan**
 - **Curriculum and Program Reviews:** How do we align our program offerings and curriculum structure to our resource realities, learning needs of students, and the needs of the communities we serve.
 - **Campus infrastructure and campus safety:** Greater focus on well-being and physical environment.
 - **Freedom of Expression, Academic freedom and the role of universities:** safeguard the essential role of universities, academic freedom, research integrity, and freedom of expression amid global political upheaval, while supporting scholars facing restrictions.
 - **Generative AI and future-readiness:** Institutional response to emerging technologies.
 - **Governance and Agility:** Foster collegiality, mend faculty-admin relationships, and further streamline Senate processes.
 - Suggestions for topics for future presentations at Senate included:
 - **Student outcomes and data:** Attrition, graduation rates, time to graduation, and academic performance.
 - **UM Strategy around enrolment** particularly given declining international student numbers.

- **Orientation and onboarding:** better support for new Senators, including governance structure and committee roles.
- **Capital projects and long-term building plans.**

It was suggested that these should not just be presentations but discussions as well.

Part 3 – Senator Self-Assessment Questions

- Participants generally gave average to high ratings on the self-assessment questions. A more significant number of ‘low’ or ‘very low’ assessments were given for the assessment of “degree of participation in discussions at Senate meetings” with 36% at ‘low’ or ‘very low’ (35% in 2021).
- 42% of participants reported spending less than one hour reviewing agendas and preparing for Senate meetings (72% in 2021).
- 24% of participants responded that the actual role as a Senator was somewhat different from their anticipated role (35% in 2021). Thoughts shared in response to this question included:
 - Participating in committee work added to several participants engagement and enjoyment of their Senate work.
 - Several participants observed that the work of Senate and the discussions are more passive that they expected.
 - Expected more rigorous debate and discussion
 - Provided an opportunity to learn more about the university
 - Expected more opportunity to identify and shape discussions, not just to react to proposals.
 - “Senate seems to be about reviewing policy documents, rather than making sure we’re providing serious education and promoting excellent research... there could be a difference of focus”.
 - Many participants noted the poor-quality video and audio feeds in Senate meetings and asked that this be addressed.
 - Some participants asked that more hybrid options be considered for Senate meetings.

Part 4 – Senate Meetings and Information

- 87% of participants felt that the current number of meetings annually was the right number (86% in 2021).
- 30% of participants responded that too much information is provided in the agendas (31% in 2021).
- Themes that emerged in the open-ended comments related to Senate meetings and Information included:

- **Hybrid meetings and accessibility:** desire for remote participation options and better meeting environments with respect to the Senate Chambers and the audio and video capacity.
- **Size of Agendas:** Large packages can hard to navigate; suggestions for streamlining and delegation of some decisions to Senate Committees.
- Participants were largely satisfied with the service provided by the Office of the University Secretary. Specific suggestions to the Office included:
 - Continue work on improving searchability and access to governance information on the internet and intranet sites.
 - Make agenda packages easier to scan.
 - More clearly highlight presentations in the agendas.
- 100% of participants indicated that the Senate Orientation Session was either 'somewhat helpful' or 'very helpful' (90% in 2021). Suggestions for the orientation included providing a booklet with basic figures and information about the University along with the orientation manual and recording the orientation session and making it available to Senators who cannot attend or who join Senate through the year.

Part 5- Senate Chair

- The Participant's responses respecting the Chair of Senate were positive overall. The only two areas where there were more than a couple of 'strongly disagree' or 'disagree' responses were to "encourages debate and discussion" (13% disagree) and "summarizes discussions and actions" (13% disagree). Two participants indicated that they did not understand the role of the Chair versus the Speaker of the Senate Executive Committee, this represents an opportunity to explain this more clearly in orientations.

Part 6 – Senate Committees

- 77% of the participants indicated that they have previously served, or currently serve, on a Senate Committee (53% in 2021).
- 60% of the participants believe that the balance of work done by Senate and Senate Committees is about right (68% in 2021).
- Participants expressed high levels of confidence that the reports of committees were well-researched and ready for Senate consideration.
- Responses to the open-ended question observed that greater turnover in Senate Committee membership and wider participation would be helpful. The importance of the committee engaging in issues of academic mission and academic quality was also highlighted, as was maintaining a collegial culture in the work of Senate committees.

Areas for Ongoing Improvement

The responses to the survey indicate that overall, Senate is functioning well. There are several areas where efforts can be taken to further strengthen the work of Senate. These include:

- Encourage discussion and participation of all Senators
- Dedicate time to discussion of strategic topics, use small group discussions, be informed by data
- Improve technical set up in meeting room, hybrid/other options
- Continue focus on delegating some decisions to committees and streamlining processes

Discussion Questions for Senate Executive:

- What stands out for you in these results?
- How might participation and engagement be fostered amongst Senators?
- What broad areas should Senate discuss in the upcoming year?
- What areas stand out for you as particularly important for Senator's learning?