



UNIVERSITY  
OF MANITOBA



# Your Pathway to Environment, Earth, and Resources

Summer 2019

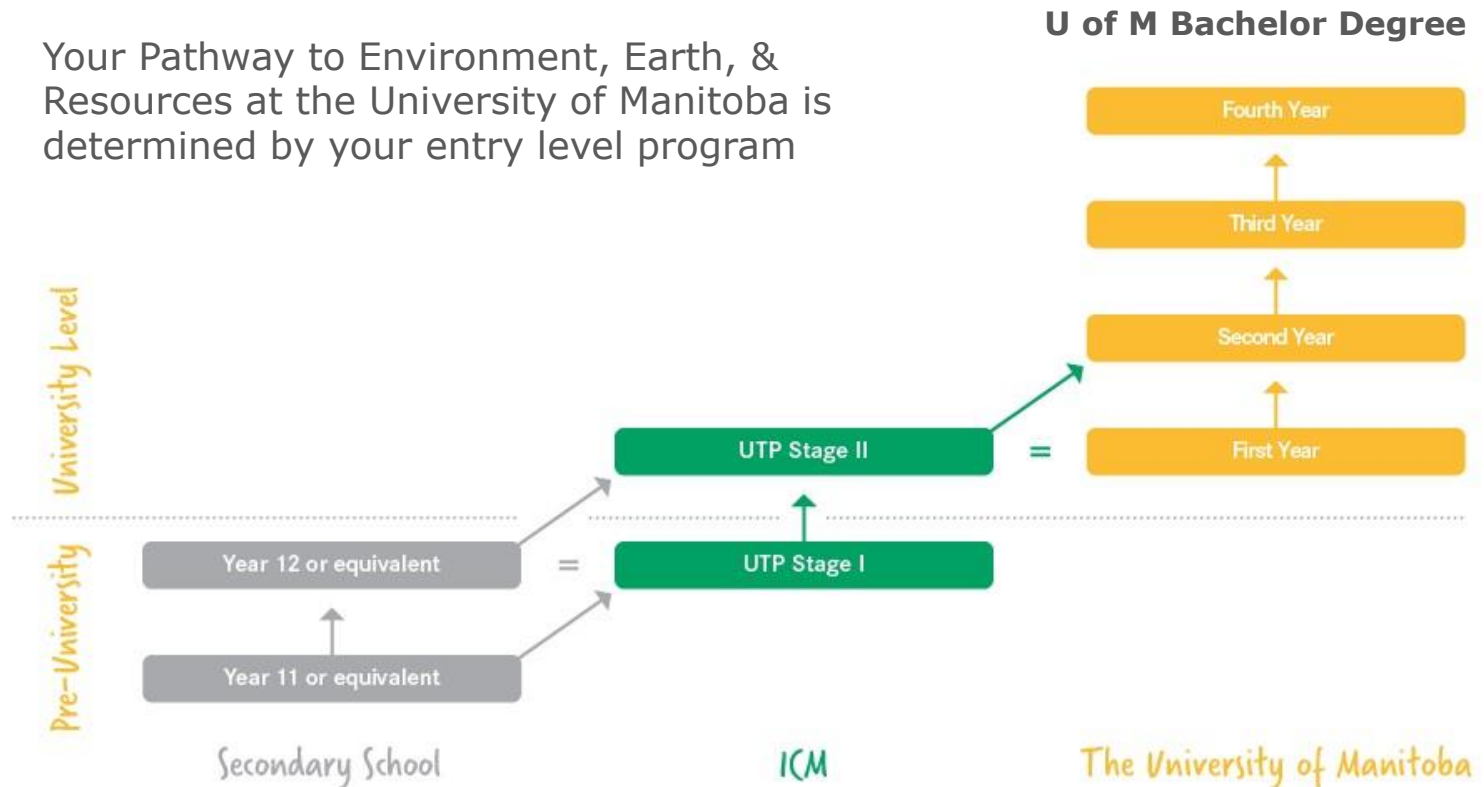


UNIVERSITY  
OF MANITOBA



## Your ICM Pathway to ENVIRONMENT, EARTH, & RESOURCES

Your Pathway to Environment, Earth, & Resources at the University of Manitoba is determined by your entry level program



Entry into UTP Stage II is dependent upon successful completion of UTP Stage I or satisfactory completion of Year 12 or equivalent.

Entry into second year of your university degree is dependent upon successful completion of UTP Stage II with the specified Grade Point Average (GPA).

## Your Pathway to Environment, Earth, & Resources: Entry Level Program

Name of Program	Type of program	Program details
UTP Stage I	Pre-University level	This program is designed for students who require additional courses before starting a full university degree equivalent program (UTP Stage II). You will be required to study eight courses over two terms (four courses per term).
UTP Stage II	University level	This program is equivalent to first year of selected University of Manitoba degree programs. You will be required to complete 10 courses (equal to 30 credit hours) with the specified GPA to progress to second year at the University of Manitoba. These programs will normally be completed in three academic terms. If you do not meet the required GPA to transfers to the University of Manitoba, you can continue to study at ICM to improve your GPA.
Mixed program UTPI	Academic English and UTP I (pre-university level)	The first term of this program requires you to study 15 hours of English per week and a maximum of two academic courses. In the second and third terms you will study the remaining UTP Stage I academic courses.
Mixed program UTPII	Academic English and UTP II (university level)	The first term of this program requires you to study 15 hours of English per week and a maximum of two academic courses. In the second and third terms you will study the remaining UTP Stage II academic courses.
The University of Manitoba English language program	Academic English	If you do not meet ICM's minimum English language entry criterion, you may need to attend the University of Manitoba English language program. ICM staff will discuss such arrangements with you as required.

## Environment, Earth & Resources degree options after 2<sup>nd</sup> Year entry to the U of M:

- [B.A. Geography](#)
- [B.Sc. Physical Geography](#)
- [B.Env.Sc Environmental Science](#)
- [B.Env.St Environmental Studies](#)
- [B.Sc. Geological Sciences](#)
- [B.Sc. Geological Sciences \(Geology\)](#)
- [B.Sc. Geological Sciences \(Geophysics\)](#)

## Your Pathway to Environment, Earth, & Resources

- To successfully transfer to second year studies with the Faculty of Environment, Earth, & Resources, students must:
  - Complete **30 credit hours** at ICM
  - Present a minimum cumulative grade point average (CGPA) of 2.0 (C) or better
  - Have received a Letter of Acceptance from the Faculty of Environment, Earth, & Resources (students can apply in their final term at ICM)



UNIVERSITY  
OF MANITOBA

## Your Pathway to Environment, Earth, & Resources

It is the student's responsibility to check the University of Manitoba Applicant Information Bulletin for the relevant Faculty to obtain official information. In the event of a discrepancy between the Planning Sheets and the information in the University of Manitoba General Calendar, the General Calendar will prevail.

Course Code	Credit Hour Value	Recommended Courses Per Degree						
		B.A. Geography	B.Sc. Physical Geography	B.Env.Sc. Environmental Science <sup>1</sup>	B.Env.St. Environmental Studies <sup>2</sup>	B.Sc. Geological Sciences	B.Sc. Geological Sciences (Geology)	B.Sc. Geological Sciences (Geophysics)
ILS100 or AES 100 or (ESW100 + ESR100)	0	Required by ICM for all programs						
ENGL1400 or ARTS1110	3	Written English Requirement recommended for all programs						
BIOL1020	3		rec.	✓	rec.			
BIOL1030	3		rec.	✓	rec.			
CHEM1300	3		rec.	✓			✓	✓
CHEM1310	3		rec.	✓				
COMP1012	3		rec.					✓
ECON1010	3			✓	✓			
ENVR1000	3			✓	✓			
GEOG1280	3	C			✓			
GEOG1290	3	C	C	✓ <sup>4</sup> or ✓ <sup>4</sup>	✓			
GEOL1340	3		rec.			C	C+	C+
MATH1210 or MATH1300	3		rec.	rec. <sup>3</sup>				✓
MATH1500	3		✓	✓			✓	C+
MATH1700	3		rec.	rec. <sup>3</sup>				C
PHYS1050	3		✓	✓			✓	C+
STAT1000	3		rec.	✓	✓			

rec. → recommended course

## Your Pathway to Environment, Earth, & Resources

### Required courses for admission to Environmental Science<sup>1</sup> and Environmental Studies<sup>2</sup>:

<sup>1</sup> Completion of 12 credit hours from the following list of courses: BIOL 1020; or BIOL 1030; or CHEM 1300; or CHEM 1310; or ENVR 1000; or ENVR 2000; or GEOL 1340 (or GEOG 1290); or MATH 1500 (or MATH 1510 or MATH 1520); or PHYS 1020 (or PHYS 1050); or PHYS 1030 (or PHYS 1070, MATH 1200, MATH 1210, MATH 1300, MATH 1700); or STAT 1000; or STAT 2000. At least six of the twelve credit hours must have a grade of at least "C+" and the remaining six credit hours must have a grade of at least "C".

<sup>2</sup> Completion of 12 credit hours from the following list of courses: BIOL 1010 (or BIOL 1030); or ENVR 1000; or ENVR 2000; or GEOG 1280; or GEOG 1290; or NATV 1220; or STAT 1000. At least six of the twelve credit hours must have a grade of at least "C+" and the remaining six credit hours must have a grade of at least "C".

<sup>3</sup> Recommended course, either MATH1200 **or** MATH1210 **or** MATH1300, **or** MATH1700

<sup>4</sup> Recommended course, either GEOL1340 **or** GEOG1290



## Course selection for UTP II (Direct) Students

**In the first term, students in the UTP II Environment, Earth, & Resources (Direct) program must take:** ILS 100 + a recommended 4 UTP Stage II courses (minimum 3)

- To select the best courses for your planned major, review the U of M course guide at:  
<http://crscalprod.ad.umanitoba.ca/Catalog/ViewCatalog.aspx?pageid=viewcatalog&catalogid=341&chapterid=4213&topicgroupid=22558&loaduserredits=False>
- Students with UTP Stage I Math/Physics/Chemistry/Biology conditions may wish to substitute some UTP Stage II courses for UTP Stage I courses in their first semester

## Course Restrictions/Conditions

- Note: Students who are **required to take UTP I Math cannot register** in UTP II MATH classes or BIOL 1020, CHEM 1300, COMP 1012, or PHYS 1050. These students should consult a Student Advisor once they are registered.
- Note: You may not be able to choose all science courses on your Student Portal Enrolment screen. This may be due to one of the following reasons:
  - You did not complete Grade 12 Math, Chemistry, Physics, or Biology
  - You scored less than 60% (or equivalent) in grade 12 Math, Chemistry, Physics, or Biology
  - The course you want to register in requires you to complete a pre-requisite course with ICM
- If there's a recommended course you wish to take that isn't displayed in which you need further clarification, please contact a Student Advisor at [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca).

## Course selection for UTP II (Mixed) students

**In the first term, students in the UTP II Environment, Earth, & Resources (Mixed) program must take:** AES100 Academic English + a minimum of one UTP Stage II course (maximum 2)

**Choose a minimum of 1 or a maximum of 2 of the following UTP II courses:**

- **MATH 1500** – Introduction to Calculus
- **MATH 1300** – Vector Geometry & Linear Algebra
- **BIOL 1020** – Biology 1: Principles and Themes
- **CHEM 1300** – Structure and Modelling in Chemistry
- **PHYS 1050** – Physics 1: Mechanics
- **STAT 1000** – Basic Statistical Analysis

Notes:

- Students **may not** register for ARTS 1110, ENGL 1400 or PHIL 1290 until a **passing grade** in AES 100 is obtained. It is recommended that students **not** register for PSYC 1199 until their second term.
- Students with UTP Stage I Math/Physics/Chemistry/Biology conditions may wish to substitute some UTP Stage II courses for UTP Stage I in their first semester
- Students who are required to take UTP I Math **cannot** register in UTP II Math classes or BIOL 1020, CHEM 1300, COMP 1012, PHYS 1050. These students should consult a Student Advisor once they are registered.

Check out the UTP II Environment, Earth, & Resources Program Planning Guide on the ICM Website for more information about planning your course:

<https://www.icmanitoba.ca/pre-arrival-and-registration-information>

# THANK YOU



Email: [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca)

Please remember to send your questions from your ICM portal email address, not your personal email account and indicate your ICM student ID.