

Course Selection Guide – Winter Term 2019

You are probably wondering which courses you should take and what the requirements are for your desired program.

See recommended courses for new students below. Note that the following suggested courses are for the Winter 2019 session. An updated version for the Summer 2019 session will be updated approximately a month prior to the beginning of classes.

If you have any questions about choosing your courses, please contact ICM's Student Advising Team at advisor@learning.icmanitoba.ca. **Please email your questions using your ICM portal email address and include your ICM student ID.**

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UTP I Direct

In the first term, students in the UTP I program must take:

REQUIRED

- ESR 100 or ESW 100
- MTH 099 MTH 103 (based on Math Placement Test results)
- And two UTP I courses (from the following):

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| • CHM 100 | Basic Chemistry |
| • SOC 105 | World Issues |
| • COM 100 | Introduction to Computing |
| • BUS 108 | Business Management |
| • ECN 100 | Introduction to Economics |
| • PHY 100 | Basic Physics |
| • PSY 101 | Foundations of Psychology & Wellness |
| • STT 101 | Basic Statistics |
| • HIS 105 | The Story of English |

Note: To successfully complete the UTP I program, students must complete 8 courses with required subjects in English (ESR 100 and ESW 100) and Math (MTH 103).

Note: Students who complete four (4) UTP Stage I courses in a single semester with a minimum *grade of B (70% minimum) in each course* will be considered for the jump program in UTP Stage II. Students in this situation should consult the student advisors to ensure they meet prerequisite requirements for UTP Stage II and University courses.

UTP I Mixed

In the first term, students in the mixed UTP I program must take:

REQUIRED

- AES 100 Academic English
- MTH 099 or MTH 103 (based on Math Placement Test results)

OPTIONAL

- Students may choose to take one additional UTP I course from the following list:

- | | |
|-----------|------------------|
| • CHM 100 | Basic Chemistry |
| • PHY 100 | Basic Physics |
| • STT 101 | Basic Statistics |

Note: To successfully complete the UTP I program, students must complete 8 courses with required subjects in English (ESR 100 and ESW 100) and Math (MTH 103).

Note: UTP I Mixed students are not eligible for the JUMP rule in their first semester. You may be eligible for the JUMP rule in your second semester if you meet the following criteria:

- Students who complete four (4) UTP Stage I courses in a single semester with a minimum grade of B (70%) in each course will be considered for the jump program in UTP Stage II. Students in this situation should consult the student advisors to ensure they meet prerequisite requirements for UTP Stage II and University courses.

UTP II Agricultural and Food Sciences

In the first term, students in the UTP II Agricultural and Food Sciences program must take:

REQUIRED

- ILS 100 (non-credit, no fee)
- Recommended four UTP Stage II courses (minimum 3)

REQUIRED CREDIT COURSES FOR THE FACULTY OF AGRICULTURAL AND FOOD SCIENCES
To select the best courses for your planned major, review the U of M course guide at <http://crscalprod1.cc.umanitoba.ca/Catalog/ViewCatalog.aspx?pageid=viewcatalog&catalogid=300&chapterid=3667&loaduserredits=False>

Note: You may not be able to view all 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.
- To enrol in PHY100 and/or CHM100, email register@icmanitoba.ca.

Note:

- Students who do not have high school Biology (40S Equivalent) will be required to take BIOL 1000 prior to taking BIOL 1020 and BIOL 1030. BIOL 1000 cannot be held for credit with BIOL 1020 and does not count towards your 30 credit hours required to complete ICM if you take BIOL 1020.

If there's a recommended course you wish to take that isn't displayed in which you need further clarification, please email register@icmanitoba.ca from your ICM portal email address.

UTP II Arts

In the first term, students in the UTP II Arts program must take:

REQUIRED

- ILS 100 (non-credit, no fee)
- A minimum of three UTP Stage II courses (maximum 4)

MATHEMATICS OPTION (not required at ICM, but recommended)

- At least one of: MATH 1010* or MATH 1300 or MATH 1500 or STAT 1000 (to meet U of M Mathematics requirement for degree purposes)

RECOMMENDED CREDIT COURSES FOR THE FACULTY OF ARTS

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|-------------|--|
| • ECON 1010 | Introduction to Microeconomic Principles |
| • ECON 1020 | Introduction to Macroeconomic Principles |
| • PSYC 1199 | Introduction to Psychology (students must enrol in PSYC 1200 the following term to receive credit for PSYC 1199) |
| • ANTH 1220 | Cultural Anthropology |
| • MATH 1010 | Applied Finite Mathematics – Faculty of Arts only |
| • Elective | |

Note: *MATH1010 has no UTP Stage I Math Requirement (MTH099/MTH103). You may take MATH1010 as your (M) requirement if your planned program at the University of Manitoba does not have a prerequisite of MATH1300, MATH1500 or STAT1000.

- To check program requirements please view the UofM's Academic Calendar & Catalog [HERE](#).

Different Arts departments at U of M have different requirements, so there is no one set way to complete the UTP II Arts pathway. You can consult an advisor by emailing questions to advisor@learning.icmanitoba.ca from your ICM portal email address.

UTP II Business

In the first term, students in the UTP II Business program must take:

REQUIRED

- ILS 100 (non-credit, no fee)
- Recommended four UTP Stage II courses (minimum 3)

REQUIRED CREDIT COURSES FOR THE ASPER SCHOOL OF BUSINESS (TRACK 1)

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|--|---|
| <ul style="list-style-type: none"> • MATH 1500 • STAT 1000 • ECON 1010 • ECON 1020 • One of: <ul style="list-style-type: none"> ◦ MATH 1300 ◦ ANTH 1220 ◦ PSYC 1199* • Elective Course | <ul style="list-style-type: none"> Introduction to Calculus Basic Statistical Analysis 1 Introduction to Microeconomic Principles Introduction to Macroeconomic Principles
 Vector Geometry and Linear Algebra Cultural Anthropology Introduction to Psychology |
|--|---|

Introduction to these subject areas will help you to choose the area in which you wish to specialize when you progress to the second year of the Bachelor of Commerce degree at the University of Manitoba.

*Students who register for PSYC 1199 must enrol in PSYC 1200 the following term with the same instructor to receive credit for PSYC 1199.

NOTE: Students who are required to take **UTP I Math cannot register** in UTP II Math classes and may wish to consult a Student Advisor after registering for courses.

Business is a highly competitive faculty. Students should consider a "Plan B" in case they are not admitted to the faculty.

UTP II Engineering

In the first term, students in the UTP II Engineering program must take:

REQUIRED

- ILS 100 (non-credit, no fee)
- Recommended four UTP Stage II courses (minimum 3)

RECOMMENDED CREDIT COURSES FOR THE FACULTY OF ENGINEERING

- MATH 1500
- ENG 1440
- ENG 1430
- CHEM 1300

Introduction to Calculus
 Introduction to Statics
 Design in Engineering
 University 1 Chemistry: Structure and Modelling in Chemistry
 Computer Programming for Scientists & Engineers
 Physics 1: Mechanic
 Techniques of Classical and Linear Algebra

- COMP 1012
- PHYS 1050
- MATH 1210

- **ONE***
Complementary
Elective

ONE complementary studies elective course

- PHIL 1290 – Critical Thinking** is the recommended complementary studies elective. However, for this requirement, students may select any ONE course from the Faculty of Arts or the Asper School of Business at the 1000 level or above, with the exception of ARTS 1110 (Introduction to University) which may not be held for credit within the Faculty of Engineering. Here are the Complementary Studies electives currently available at ICM:
 - ANTH 1220 – Cultural Anthropology
 - ECON 1010 – Introduction to Microeconomic Principles
 - ECON 1020 – Introduction to Macroeconomic Principles
 - MKT 2210 – Fundamentals of Marketing***
 - HRIR 2440- Human Resource Management***
 - INTB 2200 – International Business***

NOTE: Students who are required to take **UTP I Math cannot register** in UTP II Math classes and may wish to consult a Student Advisor after registering for courses.

***Note: Even though students may be able to see other available course options when they register on the portal, it is important to choose only classes from the above list to get credit in Engineering.**

**Students may not register in these courses until a passing grade in ILS or ESR & ESW is obtained.

***Students may not register in these courses until a minimum C grade in ENGL1400/ARTS1110 is obtained.

******Engineering is a highly competitive faculty. Students should consider a "Plan B" in case they are not admitted to the faculty.**

UTP II Science

In the first term, students in the UTP II Science program must take:

REQUIRED

- ILS 100 (non-credit, no fee)
- Recommended four UTP Stage II courses (minimum 3)

REQUIRED CREDIT COURSES FOR THE FACULTY OF SCIENCE

- To select the best courses for your planned major, review the U of M course guide at <http://umanitoba.ca/faculties/science/undergrad/entry/Programs%20in%20Science%20.html>
- http://umanitoba.ca/u1/first_year/degree_programs.html

Note: You may not be able to view 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.
- To enrol in PHY100 and/or CHM100, email register@icmanitoba.ca.

Note:

- Students who do not have high school Biology (40S Equivalent) will be required to take BIOL 1000 prior to taking BIOL 1020 and BIOL 1030. BIOL 1000 cannot be held for credit with BIOL 1020 and does not count towards your 30 credit hours required to complete ICM if you take BIOL 1020.

If there's a recommended course you wish to take that isn't displayed in which you need further clarification, please email register@icmanitoba.ca from your ICM portal email address.

UTP II Environment, Earth, and Resources

In the first term, students in the UTP II Environment, Earth, and Resources program must take:

REQUIRED

- ILS 100 (non-credit, no fee)
- Recommended four UTP Stage II courses (minimum 3)

REQUIRED CREDIT COURSES FOR THE FACULTY OF Environment, Earth, and Resources

- 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=320&chapterid=3918&topicgroupid=21099&loadusercredits=False>

Note: You may not be able to view all 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.
- To enrol in PHY100 and/or CHM100, email register@icmanitoba.ca.

Note:

- Students who do not have high school Biology (40S Equivalent) will be required to take BIOL 1000 prior to taking BIOL 1020 and BIOL 1030. BIOL 1000 cannot be held for credit with BIOL 1020 and does not count towards your 30 credit hours required to complete ICM if you take BIOL 1020.

If there's a recommended course you wish to take that isn't displayed in which you need further clarification, please email register@icmanitoba.ca from your ICM portal email address.

UTP II Mixed

In the first term, students in the mixed UTP II Arts program must take:	
REQUIRED <ul style="list-style-type: none"> • AES 100 Academic English (non-credit) • A maximum of 2 credit courses (minimum 1) 	
RECOMMENDED CREDIT COURSES FOR THE FACULTY OF ARTS	
Choose two of the following UTP II courses:	
<ul style="list-style-type: none"> • STAT 1000 • MATH 1300 • ECON 1010 	Basic Statistical Analysis Vector Geometry & Linear Algebra Introduction to Microeconomic Principles Or others suiting your preference
Note: Students may not register for ARTS 1110 or ENGL 1400 or PHIL 1290 until a passing grade in AES100 is obtained. It is recommended that students not register for PSYC 1199 until their second term.	

In the first term, students in the mixed UTP II Business program must take:	
REQUIRED <ul style="list-style-type: none"> • AES 100 Academic English (non-credit) • A maximum of 2 credit courses (minimum 1) 	
REQUIRED CREDIT COURSES FOR THE ASPER SCHOOL OF BUSINESS (TRACK 1)	
<ul style="list-style-type: none"> • MATH 1500 • STAT 1000 • ECON 1010 	Introduction to Calculus (highly recommended) Basic Statistical Analysis 1 Introduction to Microeconomic Principles
Note: Students who are required to take UTP I Math cannot register in UTPII Math classes and may wish to consult a Student Advisor after registering for courses.	
Note: Students may not register for ARTS 1110 or ENGL 1400 or PHIL 1290 until a passing grade in AES 100 is obtained. It is recommended that students do not register for PSYC 1199 until their second term.	

In the first term, students in the mixed UTP II Engineering program must take:	
REQUIRED <ul style="list-style-type: none"> • AES 100 Academic English (non-credit) • A maximum of 2 credit courses (minimum 1) 	
RECOMMENDED CREDIT COURSES FOR THE FACULTY OF ENGINEERING	
<ul style="list-style-type: none"> • MATH 1500 • CHEM 1300 • PHYS 1050 	Introduction to Calculus University 1 Chemistry: Structure and Modelling in Chemistry Physics 1: Mechanics
Note: Students who are required to take UTP I Math cannot register in UTP II Math classes and may wish to consult a Student Advisor after registering for courses.	
Note: Even though students may be able to see other available course options, it is important to choose only classes from the above list to get credit in Engineering.	

In the first term, students in the mixed UTP II Science program must take:

REQUIRED

- AES 100 Academic English (non-credit)
- A maximum of 2 credit courses (minimum 1)

RECOMMENDED CREDIT COURSES FOR THE FACULTY OF SCIENCE

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| <ul style="list-style-type: none"> • MATH 1500 • MATH 1300 • BIOL 1020 • CHEM 1300 • PHYS 1050 • STAT 1000 | <ul style="list-style-type: none"> Introduction to Calculus Vector Geometry & Linear Algebra Biology 1: Principles and Themes Structure and Modelling in Chemistry Physics 1: Mechanics Basic Statistical Analysis |
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Note:

- 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.

In the first term, students in the mixed UTP II Environment, Earth, and Resources program must take:

REQUIRED

- AES 100 Academic English (non-credit)
- A maximum of 2 credit courses (minimum 1)

RECOMMENDED CREDIT COURSES FOR THE FACULTY OF Environment, Earth, and Resources

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| <ul style="list-style-type: none"> • MATH 1500 • MATH 1300 • BIOL 1020 • CHEM 1300 • PHYS 1050 • STAT 1000 | <ul style="list-style-type: none"> Introduction to Calculus Vector Geometry & Linear Algebra Biology 1: Principles and Themes Structure and Modelling in Chemistry Physics 1: Mechanics Basic Statistical Analysis |
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Note:

- 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.