



# FIRST TERM COURSE SELECTION GUIDE

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## FALL (SEPTEMBER) 2021

*Updated July 28, 2021*



# WELCOME TO ICM!

**Hello!** You are probably wondering which courses you should select in the first term of your program. **This guide contains the recommended courses for your first term**, so please read it carefully.

If you have any questions about choosing your courses, please contact ICM's Student Success Advisors by email at [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca), or join them for a one-on-one Zoom meeting using the link in your Student Portal. When sending an email, be sure to use your ICM Student Portal email address and include your ICM Student ID in all correspondence.

**Note that the following suggested courses are only for the Fall (September) 2021 term.**

# FIRST TERM TIPS!

As you navigate towards your first term, you may have some questions about attending your classes, how to interact with instructors and classmates, and other important study tips and classroom etiquette. You may also have questions about textbooks, recommended technology, whether your online classes will have an asynchronous component, and more. Below are some crucial resources to help you prepare to start your studies. Please download and review them now.

## Online resources:



- [How to Prepare for Your First Term \(September 2021\)](#)
- [How to Enrol in Courses](#)
- [Student Portal Tutorial](#)
- [Course Descriptions](#)
- [Course Expectations & Required Technology](#)

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# UTP STAGE I

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# UTP STAGE I

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

- ILS 100 (non-credit, no fee)
- ESR 100 (English Skills/Reading) or ESW 100 (English Skills/Writing)
- MTH 099 or MTH 103 (based on Math Placement Test results)
- Two UTP Stage I courses (from the below list)

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

# COURSE SELECTION TIPS!

- To successfully complete the UTP Stage I program, students must complete ILS and 8 courses.
- Students who complete four (4) UTP Stage I courses (in addition to ILS) in a single semester with a minimum grade of B (70% minimum) in each course will be considered for the **“jump rule”** into UTP Stage II. Students in this situation should consult the Student Success Advisors to ensure they meet prerequisite requirements for UTP Stage II and university-level courses required for their desired program. Refer to the ICM Student Handbook in your Student Portal.
- Students should only choose one of ESR or ESW in their first term. Students that end up jumping are not required to complete the second course.
- To select the best courses for your planned UTP Stage II program, review the [UTP Stage I Program Planning Guide](#).
- For any program planning related questions, please email [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca).



# UTP STAGE I (MIXED ENTRY)

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Students in a Mixed Entry program will find this indicated on their Letter of Offer under the ICM Academic Program information.

# UTP STAGE I (MIXED ENTRY)

In the first term, students in **UTP Stage I Mixed Entry** program must take:

- AES 100 Academic English
- ILS 100 (non-credit, no fee)
- MTH 099 or MTH 103 (based on Math Placement Test results)
- Students may choose to take up to two additional UTP I courses from the following list below

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

# COURSE SELECTION TIPS!

- To successfully complete the UTP Stage I program, students must complete 8 courses (in addition to AES and ILS).
- UTP Stage I Mixed Entry 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 (not including ILS) in a single semester with a minimum grade of B (70%) in each course will be considered for the jump rule 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-level courses.
- For any program planning related questions, please email [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca).
- To select the best courses for your planned major, review the [UTP Stage I Program Planning Guide](#).



# UTP STAGE II: AGRICULTURAL AND FOOD SCIENCES

# UTP STAGE II: AGRICULTURAL AND FOOD SCIENCES

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

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

## **Required credit courses**

- To select the best courses for your planned major, review the [UTP Stage II Program Planning Guide](#) for your program and [UM's Academic Calendar](#).
- The University of Manitoba's [First Year Planning Guide](#) is also recommended.

# COURSE SELECTION TIPS!

- You may not be able to view all courses on your Student Portal Enrolment screen or may see some courses blocked. 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](mailto:register@icmanitoba.ca)
- Students who do not take high school Biology (year 12 or 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](mailto:register@icmanitoba.ca) from your ICM Student Portal email address.
- Review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.



# UTP STAGE II: ARTS

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# UTP STAGE II: ARTS

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

- ILS 100 (non-credit, no fee)
- Recommended four UTP Stage II courses (minimum of three courses)  
**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 UM Mathematics requirement for degree purposes)

## **Recommended credit courses**

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

# COURSE SELECTION TIPS!

- The University of Manitoba's [First Year Planning Guide](#) is recommended.
- \*MATH1010 has no Year 12 or UTP Stage I math pre-requisite requirement (MTH099/MTH103). You may take MATH1010 as your math (M) requirement if your planned program at the University of Manitoba (UM) does not have a prerequisite of MATH1300, MATH1500 or STAT1000.
- To check program requirements please view [UM's Academic Calendar](#).
- Different Arts departments at UM have different requirements, so there is no one set way to complete the UTP Stage II: Arts pathway. You can consult an Advisor by emailing questions to [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca) from your ICM Student Portal email address or joining a Zoom meeting using the links on your Student Portal.
- Review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.



# UTP STAGE II: BUSINESS

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# UTP STAGE II: BUSINESS

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

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

## **Recommended credit courses**

- ECON 1010: Introduction to Microeconomic Principles
- ECON 1020: Introduction to Macroeconomic Principles
- MATH 1500: Introduction to Calculus
- STAT 1000: Basic Statistical Analysis 1
- One of the required electives:
  - ANTH: 1220 Cultural Anthropology
  - MATH: 1300 Vector Geometry and Linear Algebra
  - PSYC: 1199\* Introduction to Psychology
- Elective Course

# COURSE SELECTION TIPS!

- **It is important to select a mixture of required and elective courses to balance your course load for your first term.**
- \*Students who register for PSYC 1199 must enrol in PSYC 1200 the following term with the same instructor to receive credit for PSYC 1199.
- Students who are required to take UTP Stage I Math cannot register in UTP Stage II Math or Statistics courses and may wish to consult a Student Advisor after registering for courses by emailing [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca). For more information on prerequisites, [click here](#).
- Business is a highly competitive faculty. Students should consider a “Plan B” in case they are not admitted to the faculty.
- **This faculty only has a Fall (September) intake every year.** If you are starting your ICM program in Fall (September), you must select **ILS + 4 credit courses** in your first term and 4 credit courses in your second term to be eligible for the upcoming September intake.
- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.



# UTP STAGE II: ENGINEERING

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# UTP STAGE II: ENGINEERING

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

- ILS 100 (non-credit, no fee)
- Four required UTP Stage II courses (minimum three) from the list below

## **Required credit courses (select any four):**

- CHEM 1100: Introductory Chemistry 1: Atomic and Molecular Structure and Energetics
- COMP 1012: Computer Programming for Scientists & Engineers
- ENG 1430: Design in Engineering
- ENG 1450: Introduction to Electrical and Computer Engineering
- ENG 1460: Introduction to Thermal Sciences
- MATH 1210: Techniques of Classical and Linear Algebra
- MATH 1500: Introduction to Calculus
- PHYS 1050: Physics 1: Mechanics
- ONE Complementary Elective (**see next page**)

# UTP STAGE II: ENGINEERING

**One complementary elective course from the list below:**

- \*\*PHIL 1290 – Critical Thinking is the **recommended** complementary studies elective but will only be accessible in your second term, after completing ILS.
- ANTH 1220 – Cultural Anthropology
- ECON 1010 – Introduction to Microeconomic Principles
- ECON 1020 – Introduction to Macroeconomic Principles

# COURSE SELECTION TIPS!

- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.
- \*\*Students may not register in PHIL1290 until a passing grade in ILS is obtained.
- Even though students may be able to see other available course options when they register on the Student Portal, it is important to choose only classes from the above list to get credit in Engineering.
- Engineering is a highly competitive faculty. Students should consider a “Plan B” in case they are not admitted to the faculty.
- **This faculty only has a Fall (September) intake every year.**
- If you are starting your ICM program in Fall (September), you must select ILS + 4 credit courses in your first term and 4 credit courses in your second term to be eligible for the upcoming September intake.
- Students who are required to take UTP Stage I Math cannot register in UTP Stage II Math or Science courses and may wish to consult a Student Advisor after registering for courses by emailing [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca). For more information on prerequisites, [click here](#).
- If you have applied for UTP Stage II: Engineering but have received acceptance to UTP Stage II: Science, we recommend that you download and read the [Pre-Engineering Planning Guide](#). You may wish to consult a Student Advisor after registering for courses by emailing [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca).



# UTP STAGE II: ENVIRONMENT, EARTH, AND RESOURCES

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# UTP STAGE II: ENVIRONMENT, EARTH, AND RESOURCES

In the first term, students in **UTP Stage II: Environment** program must take:

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

## **Required credit courses**

- To select the best courses for your planned major, review the [UTP Stage II Program Planning Guide](#) and [UM's Academic Calendar](#).
- The University of Manitoba's [First Year Planning Guide](#) is also recommended.

# COURSE SELECTION TIPS!

- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.
- You may not be able to view all courses on your Student Portal Enrolment screen or may see some courses blocked. This may be due to one of the following reasons:
  - You did not complete Grade 12 Math, Chemistry, Physics, or Biology. For more information on prerequisites, [click here](#).
  - You scored less than 60% (or equivalent) in grade 12 Math, Chemistry, Physics, or Biology. For more information on prerequisites, [click here](#).
  - 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](mailto:register@icmanitoba.ca)
- Students who do not have high school Biology (year 12 or 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](mailto:register@icmanitoba.ca) from your ICM Student Portal email address.



# UTP STAGE II: RECREATION MANAGEMENT AND COMMUNITY DEVELOPMENT

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# UTP STAGE II: RECREATION MANAGEMENT AND COMMUNITY DEVELOPMENT

In the first term, students in **UTP Stage II: Recreation Management and Community Development** program must take:

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

## **Required credit courses**

- STAT 1000 Basic Statistical Analysis 1
- KPER 1200 Physical Activity, Health and Wellness
- KPER 1400 Concepts of Recreation and Leisure
- PSYC 1199\* Introduction to Psychology
- Elective Course

# COURSE SELECTION TIPS!

- It is important to select a mixture of required and elective courses to balance your course load for your first term.
- \*Students who register for PSYC 1199 must enrol in PSYC 1200 the following term with the same instructor to receive credit for PSYC 1199.
- Students who are required to take UTP Stage I Math cannot register in UTP Stage II Math or Science courses and may wish to consult a Student Advisor after registering for courses by emailing [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca) For more information on prerequisites, [click here](#).
- **This faculty only has a Fall (September) and a Winter (January) intake every year.** Admission to the Winter term is on a space available basis only. Please contact a Student Advisor if you have any questions.
- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.



# UTP STAGE II: SCIENCE

# UTP STAGE II: SCIENCE

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

- ILS 100 (non-credit, no fee)
  - Recommended four UTP Stage II courses (minimum of three courses)
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- To select the best courses for your planned major, review [UM's Academic Calendar](#).
  - The University of Manitoba's [First Year Planning Guide](#) is also recommended.

# COURSE SELECTION TIPS!

- You may not be able to view all science courses on your Student Portal Enrolment screen or may see some courses blocked. This may be due to one of the following reasons:
  - You did not complete Grade 12 Math, Chemistry, Physics, or Biology. For more information on prerequisites, [click here.](#)
  - You scored less than 60% (or equivalent) in grade 12 Math, Chemistry, Physics, or Biology. For more information on prerequisites, [click here.](#)
  - The course you want to register in requires you to complete a prerequisite course with ICM.
- To enrol in PHY100 and/or CHM100, email [register@icmanitoba.ca](mailto:register@icmanitoba.ca) .
- Students who do not have high school Biology (year 12 or 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 you have applied for UTP Stage II: Engineering but have received acceptance to UTP Stage II: Science, we recommend that you download and read the [Pre-Engineering Planning Guide](#). You may wish to consult a Student Advisor after registering for courses by emailing [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca)
- 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](mailto:register@icmanitoba.ca) from your ICM Student Portal email address.



# UTP STAGE II: SCIENCE (COMPUTER SCIENCE)

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# UTP STAGE II: SCIENCE (COMPUTER SCIENCE)

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

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

## **Required credit courses**

- MATH 1300 Vector Geometry & Linear Algebra
- MATH 1500 Introduction to Calculus
- STAT 1000 Basic Statistical Analysis
- \*One elective course from the Faculty of Arts:
  - ANTH 1220
  - ECON 1010
  - ECON 1020

# COURSE SELECTION TIPS!

- COMP 1500 is a **recommended** elective for this program. It is recommended to take this course in your first term to help you prepare for the upcoming COMP courses.
- It is important to select a mixture of required and elective courses to balance your course load for your first term.
- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.
- You may not be able to view all science courses on your Student Portal Enrolment screen or may see some courses blocked. This may be due to one of the following reasons:
  - You did not complete Grade 12 Math, Chemistry, Physics, or Biology. For more information on prerequisites, [click here](#).
  - You scored less than 60% (or equivalent) in grade 12 Math, Chemistry, Physics, or Biology. For more information on prerequisites, [click here](#).
  - The course you want to register in requires you to complete a prerequisite course with ICM.
  - To enrol in PHY100 and/or CHM100, email [register@icmanitoba.ca](mailto:register@icmanitoba.ca).



# COURSE SELECTION TIPS!

- Students who do not have high school Biology (year 12 or 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](mailto:register@icmanitoba.ca) from your ICM Student Portal email address.



# UTP STAGE II (MIXED ENTRY)

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Students in a Mixed Entry program will find this indicated on their Letter of Offer under the ICM Academic Program information.

UTP STAGE II:  
AGRICULTURAL AND  
FOOD SCIENCES (MIXED  
ENTRY)

# UTP STAGE II: AGRICULTURAL AND FOOD SCIENCES (MIXED ENTRY)

In the first term, students in **UTP II Agricultural and Food Sciences (Mixed Entry)** program must take:

- AES 100: Academic English (non-credit)
- ILS 100 (non-credit, no fee)
- Recommended four UTP Stage II courses (minimum of three courses)

## Required credit courses

- To select the best courses for your planned major, review [UM's Academic Calendar](#).
- The University of Manitoba's [First Year Planning Guide](#) is also recommended.

# COURSE SELECTION TIPS!

- 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.
  - For more information on prerequisites, [click here](#). To enrol in PHY100 and/or CHM100, email [register@icmanitoba.ca](mailto:register@icmanitoba.ca).
- Students who do not have high school Biology (year 12 or 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.
- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.
- 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](mailto:register@icmanitoba.ca) from your ICM Student Portal email address.



# UTP STAGE II: ARTS (MIXED ENTRY)

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# UTP STAGE II: ARTS (MIXED ENTRY)

In the first term, students in **UTP Stage II: Arts (Mixed Entry)** program must take:

- AES 100: Academic English
- ILS 100 (non-credit, no fee)
- A maximum of two credit courses (minimum one)

## **Recommended credit courses**

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

# COURSE SELECTION TIPS!

- Students may not register for ARTS 1110, ENGL 1400, POLS 1502 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.
- \*MATH1010 has no year 12 or UTP Stage I math pre-requisite requirement (MTH099/MTH103). You may take MATH1010 as your math (M) requirement if your planned program at the University of Manitoba (UM) does not have a prerequisite of MATH1300, MATH1500 or STAT1000.
- Review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.
- To check program requirements please view the [UM's Academic Calendar](#).
- The University of Manitoba's [First Year Planning Guide](#) is also recommended.



# UTP STAGE II: BUSINESS (MIXED ENTRY)

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# UTP STAGE II: BUSINESS (MIXED ENTRY)

In the first term, students in **UTP Stage II: Business (Mixed Entry)** program must take:

- AES 100: Academic English (non-credit)
- ILS 100 (non-credit, no fee)
- A maximum of two required courses (minimum of one course)

## **Recommended credit courses**

- ECON 1010: Introduction to Microeconomic Principles
- ECON 1020: Introduction to Microeconomic Principles
- MATH 1500: Introduction to Calculus
- STAT 1000: Basic Statistical Analysis 1

# COURSE SELECTION TIPS!



- Students who are required to take UTP Stage I Math cannot register in UTP Stage II Math courses and may wish to consult a Student Advisor after registering for courses.
- 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.
- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.

# UTP STAGE II: ENGINEERING (MIXED ENTRY)

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# UTP STAGE II: ENGINEERING (MIXED ENTRY)

In the first term, students in **UTP Stage II: Engineering (Mixed Entry)** program must take:

- AES 100: Academic English (non-credit)
- ILS 100: (non-credit, no fee)
- A maximum of two required courses (minimum of one course)

## **Required credit courses:**

- CHEM 1100: Introductory Chemistry 1: Atomic and Molecular Structure and Energetics
- COMP 1012: Computer Programming for Scientists & Engineers
- ENG 1430: Design in Engineering
- ENG 1450: Introduction to Electrical and Computer Engineering
- ENG 1460: Introduction to Thermal Sciences
- MATH 1210: Techniques of Classical and Linear Algebra
- MATH 1500: Introduction to Calculus
- PHYS 1050: Physics 1: Mechanics
- ONE Complementary Elective (**see next page**)

# UTP STAGE II: ENGINEERING

**One complementary elective course from the list below:**

- \*\*PHIL 1290 – Critical Thinking is the **recommended** complementary studies elective but will only be accessible in your second term, after completing ILS.
- ANTH 1220 – Cultural Anthropology
- ECON 1010 – Introduction to Microeconomic Principles
- ECON 1020 – Introduction to Macroeconomic Principles

# COURSE SELECTION TIPS!

- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.
- 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.
- Students who are required to take UTP Stage I Math cannot register in UTP Stage II Math or Science courses and may wish to consult a Student Advisor after registering for courses by emailing [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca). For more information on prerequisites, [click here](#).
- If you have applied for UTP Stage II: Engineering but have received acceptance to UTP Stage II: Science, we recommend that you download and read the [Pre-Engineering Planning Guide](#). You may wish to consult a Student Advisor after registering for courses by emailing [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca)



# UTP STAGE II: ENVIRONMENT, EARTH, AND RESOURCES (MIXED)

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# UTP STAGE II: ENVIRONMENT, EARTH, AND RESOURCES (MIXED ENTRY)

In the first term, students in **UTP Stage II: Environment (Mixed Entry)** program must take:

- AES 100: Academic English (non-credit)
- ILS 100: (non-credit, no fee)
- A maximum of two required courses (minimum of one course)

## **Recommended credit courses**

- BIOL 1020: Biology 1: Principles and Themes
- CHEM 1100: Introductory Chemistry 1: Atomic and Molecular Structure and Energetics
- ENVR 1000: Environmental Science 1
- GEOG 1280: Introduction to Human Geography
- GEOG 1290: Introduction to Physical Geography
- MATH 1300: Vector Geometry and Linear Algebra
- MATH 1500: Introduction to Calculus
- STAT 1000: Basic Statistical Analysis 1
- GEOL 1340: The Dynamic Earth
- PHYS 1020: General Physics 1
- PHYS 1050: Physics 1: Mechanics

# COURSE SELECTION TIPS!

- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.
- Students may not register for ARTS 1110, ENGL 1400, POLS 1502 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 Stage II Math classes or BIOL 1020, CHEM 1100, COMP 1012, PHYS 1050. These students should consult a Student Advisor once they are registered by emailing [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca). For more information on prerequisites, click here.



# UTP STAGE II: RECREATION MANAGEMENT AND COMMUNITY DEVELOPMENT (MIXED ENTRY)

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# UTP STAGE II: RECREATION MANAGEMENT (MIXED ENTRY)

In the first term, Students in **UTP Stage II: Recreation Management (Mixed Entry)** program must take:

- AES 100: Academic English (non-credit)
- ILS 100: (non-credit, no fee)
- A maximum of two required courses (minimum of one course)

## **Required credit courses**

- STAT 1000 Basic Statistical Analysis 1
- KPER 1200 Physical Activity, Health and Wellness
- KPER 1400 Concepts of Recreation and Leisure
- PSYC 1199\* Introduction to Psychology
- Elective Course

# COURSE SELECTION TIPS!

- It is important to select a mixture of required and elective courses to balance your course load for your first term.
- \*Students who register for PSYC 1199 must enrol in PSYC 1200 the following term with the same instructor to receive credit for PSYC 1199.
- Students who are required to take UTP Stage I Math cannot register in UTP II Math courses and may wish to consult a Student Advisor after registering for courses by emailing [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca) For more information on prerequisites, [click here](#).
- **This faculty only has a Fall/September and a Winter/January intake every year.** Admission to the Winter term is on a space available basis only.
- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.



# UTP STAGE II: SCIENCE (MIXED ENTRY)

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# UTP STAGE II: SCIENCE (MIXED ENTRY)

In the first term, students in **UTP Stage II: Science (Mixed Entry)** program must take:

- AES 100: Academic English (non-credit)
- ILS 100: (non-credit, no fee)
- A maximum of two required courses (minimum of one course)

## **Required credit courses**

- To select the best courses for your planned major, review [UM's Academic Calendar](#).
- The University of Manitoba's [First Year Planning Guide](#) is also recommended.

# COURSE SELECTION TIPS!

- Students may not register for ARTS 1110, ENGL 1400, POLS 1502 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 Stage I Math cannot register in UTP II Math classes or BIOL 1020, CHEM 1100, COMP 1010, PHYS 1050. These students should consult a Student Advisor once they are registered by emailing [advisor@learning.icmanitoba.ca](mailto:advisor@learning.icmanitoba.ca). For more information on prerequisites, [click here](#).



UTP STAGE II: SCIENCE  
(COMPUTER SCIENCE)  
(MIXED ENTRY)

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# UTP STAGE II: SCIENCE (COMPUTER SCIENCE) (MIXED ENTRY)

In the first term, students in **UTP Stage II: Science (Mixed Entry)** program must take:

- AES 100: Academic English (non-credit)
- ILS 100 (non-credit, no fee)
- Recommended four UTP Stage II courses (minimum of three courses)

## **Required credit courses:**

- MATH 1300 Vector Geometry & Linear Algebra
- MATH 1500 Introduction to Calculus
- STAT 1000 Basic Statistical Analysis
- \*One elective course from the Faculty of Arts:
  - ANTH 1220
  - ECON 1010
  - ECON 1020

# COURSE SELECTION TIPS!

- COMP 1500 is a recommended elective for this program. It is recommended to take this course in your first term to help you prepare for the upcoming COMP courses.
- Please download the [UTP Stage II Program Planning Guide](#) for your program and review the [Course Expectations & Required Technology Guide](#) for information about how your courses will be delivered.
- It is important to select a mixture of required and elective courses to balance your course load for your first term.
- 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. For more information on prerequisites, [click here](#).
  - You scored less than 60% (or equivalent) in grade 12 Math, Chemistry, Physics, or Biology. For more information on prerequisites, [click here](#).
  - The course you want to register in requires you to complete a prerequisite course with ICM.
- To enrol in PHY100 and/or CHM100, email [register@icmanitoba.ca](mailto:register@icmanitoba.ca).



# COURSE SELECTION TIPS!

- Students who do not have high school Biology (year 12 or 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](mailto:register@icmanitoba.ca) from your ICM Student Portal email address.



BEST OF LUCK  
IN YOUR  
TERM AHEAD!

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