



UTP II Science Program Planning Guide

Planned Major at U of M: _____

Are you unsure of which major you want to pursue?

For program information, go to: <http://www.sci.umanitoba.ca/undergraduate-students/degrees-and-programs/>

**Note: A separate Planning Guide is available for students who plan to study Computer Science.

Type of Course	Course Code	Term	Credit Hour Value	Letter Grade Earned
Required by ICM	ILS 100 or AES 100		0	
Written English Requirement	ENGL 1400 <i>or</i> ARTS 1110 <i>or</i> POLS 1502		3	
Electives				
Electives				
Electives				
Electives				
Electives				
Electives				
Electives				
Electives				
Electives				
Total			30 credit hours passed	

ICM unique credit hours (crhrs) already completed:
(do not include repeated courses)

30 crhrs to be completed by:

Month _____ / Year _____

Current cumulative GPA:

Admission GPA required:

Minimum 2.0 GPA on best 24 crhrs (must include unique crhrs and cannot include repeated courses)

Students must complete 30 credit hours with a min GPA of 2.0 to fulfill ICM requirement*

Expected intake at U of M:

Month _____ / Year _____

Faculty of Science Advisor

Location: 239 Machray Hall
E-mail: sciadv@umanitoba.ca
Phone: 204-474-8256

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.



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U of M Academic Calendar: <http://crscalprod.ad.umanitoba.ca/Catalog/ViewCatalog.aspx>

If you know the area you wish to major in, use the U of M Calendar to research your course choices or discuss with an ICM or a U of M student advisor.

Please review the U1 First year planning guide here: <http://umanitoba.ca/current-students/first-year/planning>

FACULTY OF SCIENCE COURSES:

ASTR 1830 – Life in the Universe

BIOL 1000* – Biology: Foundations of Life

BIOL 1020 – Biology 1: Principles and Themes

BIOL 1030 – Biology 2: Biological Diversity, Function and Interactions.

CHEM 1300 – University 1 Chemistry: Structure and Modelling in Chemistry

CHEM 1310 – University 1 Chemistry: An Introduction to Physical Chemistry

COMP 1010 – Introductory to Computer Science 1

COMP 1012 – Computer Programming for Scientists and Engineers

COMP 1500 – Computing: Ideas and Innovation

MATH 1300 – Vector Geometry and Linear Algebra

MATH 1500 – Introduction to Calculus

STAT 1000 – Basic Statistical Analysis 1

MBIO 1010 - Microbiology I

MBIO 1220- Essentials of Microbiology

MATH 1700 – Calculus 2

PHYS 1020 – General Physics 1

PHYS 1050 – Physics 1: Mechanics

**Note: BIOL 1000 can be not be used in biological programs but it can be used as an elective in non-biological programs. It can be used as a pre-requisite for BIOL1020 in place of Grade 12 biology. CAUTION: Students who have high school biology and plan to take BIOL1020 and BIOL1030 SHOULD NOT TAKE THIS COURSE WITHOUT SPEAKING TO THE STUDENT ADVISOR. Students cannot hold credit for both BIOL 1000 and BIOL 1020. You can take both courses, but you can only use 3 of the 6 crhrs towards a U of M degree.*

ELECTIVES FROM FACULTY OF ARTS FOR CREDIT IN SCIENCE:

ANTH 1220 – Cultural Anthropology

ARTS 1110 – Introduction to University

ECON 1010 – Introduction to Microeconomic Principles

ECON 1020 – Introduction to Macroeconomic Principles

ENGL 1400 – Thematic Approaches to the Study of Literature

PHIL 1290 – Critical Thinking

POLS 1502 – Introduction to Political Studies

PSYC 1199 and **PSYC 1200** – Introduction to Psychology *6 credit hours (Students must register in BOTH courses in consecutive semesters and will only receive credit for the course after completing PSYC1200)

ELECTIVES FROM OTHER FACULTIES FOR POTENTIAL CREDIT IN SCIENCE:

ABIZ 1000 – Introduction to Agribusiness Management

ABIZ 1010 – Economics of World Food Issues and Policies

ENVR 1000 – Environmental Science 1 -Concepts

GEOG 1280 – Introduction to Human Geography

GEOG 1290 - Introduction to Physical Geography

HNSC 1200 - Food: Facts and Fallacies

HNSC 1210 – Nutrition for Health and Changing Lifestyles

HRIR 2440 - Human Resource Management

INTB 2200 – International Business

KPER 1200 – Physical Activity, Health and Wellness

KPER 1400- Concepts of Recreation and Leisure

MKT 2210 – Fundamentals of Marketing

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