ICM International Year One (UTP Stage II)
Science - Computer Science Program Planning Guide

ICM will provide, upon request, information through a communication support or accessible format.

Type of Course	Course Code	Term	Credit Hour Value	Letter Grade Earned
Required by ICM	ILS		0	
Required Writing Requirement (W)	ENGL 1400 OR ARTS 1110 OR POLS 1502		3	
Required, Majors & Honours (minimum C)	COMP1010*		3	
Required Majors (minimum C+) / Honours (minimum B)	COMP1020		3	
Required Majors & Honours (minimum C+)	MATH1300*		3	
Required Majors (minimum C) / Honours (minimum C+)	MATH1500		3	
Required Majors & Honours (minimum C)	MATH1700		3	
Required Majors (minimum C+) / Honours (minimum B)	MATH1240		3	
Required Majors & Honours (minimum C)	STAT1150*		3	
Required Elective from Faculty of Arts				
Elective	COMP 1000*		3	
Total			**30 cr. hours**	

- COMP 1000 is recommended for First Term Students as an elective.
- COMP 1012 may be taken in place of COMP 1010 but it is recommended to take COMP 1010
- MATH 1300 is recommended. MATH 1210 (B) may be taken in place of MATH 1300.
- STAT 1150 is strongly encouraged. STAT 1000 and STAT 2000 (B) may be taken in place of STAT 1150. It is recommended that you speak with a Student Advisor to discuss this.
- Students should apply to the **UM at the beginning of their second-to-last semester** at ICM, prior to completing 30 unique credit hours:
- To complete ICM 30 unique credit hours are required (does not include repeated courses).
- CGPA includes all failed and/or repeated courses.
- Admission GPA required: Minimum 2.0 AGPA* to be eligible.

Credit hours completed	Credit hours dropped
30-35	6
36-53	9
54-71	12

  *Calculated using all post-secondary course work including original grade of repeat courses
- Students will apply to General Science and will declare their major once at UM.
- To Declare Major: Minimum 2.5 DGPA for major and 3.0 DGPA for honors.

UM Program Information:
- Review UM Undergraduate [Advance Entry application deadlines.](#)
- View UM [Faculty of Science (Computer Science) Website.](#)
- Review [UM Academic Calendar](#) for degree Requirements.
- View [UM First Year Planning Guide](#) for first year program planning.
- You can meet the [UM Faculty of Science Advisor.](#)

Faculty of Science Courses:
- ASTR1830 – Life in the Universe
- BIOL1000 – Biology: Foundations of Life
- BIOL1020 – Biology 1: Principles and Themes

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 Academic Calendar](#), the Academic Calendar will prevail.

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- BIOL1030 – Biology 2: Biological Diversity, Function, and Interactions.
- CHEM1100 – Introductory Chemistry 1
- CHEM1110 – Introductory Chemistry 2
- COMP1000 - Introductory Programming: Think Like a Computer
- COMP1010 – Introductory to Computer Science
- COMP1012 – Computer Programming for Scientists and Engineers
- COMP1500 – Computing: Ideas and Innovation
- MATH1010 – Applied Finite Mathematics
- MATH1210 – Techniques of Classical and Linear Algebra
- MATH1240 – Elementary Discrete Mathematics
- MATH1300 – Vector Geometry and Linear Algebra
- MATH1500 – Introduction to Calculus
- STAT1000[1] –Basic Statistical Analysis 1
- STAT1150 - Introduction to Statistics and Computing
- MBIO1010 - Microbiology I
- MBIO1220- Essentials of Microbiology
- MATH1700 – Calculus 2
- PHYS1020 – General Physics 1
- PHYS1050 – Physics 1: Mechanics

1. Students who complete both STAT1000 and STAT1150 are able to count both courses towards their 30 credit hours required to complete ICM. However, when students enter UM faculty, only One will be held for credit as students are not able to hold credit for both STAT1000 and STAT1150 at UM.

Electives from Faculty of Arts:
- ANTH1220 – Cultural Anthropology
- ARTS1110 – Introduction to University
- ECON1010 – Introduction to Microeconomic Principles
- ECON1020 – Introduction to Macroeconomic Principles
- ENGL1400 – Thematic Approaches to the Study of Literature
- FAAH1030 - Introduction to Art 1A
- FAAH1040 - Introduction to Art 2A
- PHIL1290 – Critical Thinking
- POLS1502 – Introduction to Political Studies
- PSYC1199 and PSYC1200 – 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: Check out the **ICM Course Descriptions** file under Documents on your ICM Student Portal.

As announced by IRCC (Immigration, Refugees and Citizenship Canada), starting November 8, 2024, students must be enrolled in the designated learning institution (DLI) named on their study permit. To transition to UM, students will need to obtain a new study permit with the UM's DLI included by applying to extend their current one. Information about this process can be found on the IRCC Website.

Additionally, ICM works with an Immigration Lawyer to provide a variety of immigration-related workshops and one-on-one consulting sessions to students, including sessions on how to apply to extend a study permit. Students will receive notice of these events through student communications and via Student Portal.

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 Academic Calendar, the Academic Calendar will prevail.

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