

In Year 1, choose courses from the table below

You must complete a minimum of 24 credit hours to be able to enter a Major or Honours degree program in the Faculty of Science in Year 2. Refer to the University's *Undergraduate Calendar*, umanitoba.ca/calendar, for specific program grade requirements.

	Program	BIOL 1020/1030	CHEM 1300/1310	MATH 1300	MATH 1500	MATH 1700	PHYS 1020 or 1050	PHYS 1030 or 1070	MBIO 1010	STAT 1000	COMP 1010/1020	Other Requirements ¹
Life Sciences	Biochemistry	✓	✓		✓	✓	✓	✓	✓ ²			Three credit hours of MATH, STAT or COMP (see <i>Undergraduate Calendar</i> for acceptable choices)
	Biological Sciences (all Theme areas)	✓	✓						✓ ²	✓		Three credit hours of MATH 1200 or 1300 or 1500, or PHYS 1020 or 1050. MBIO 1010 is required by the Integrative Theme only. (See <i>Undergraduate Calendar</i> for a description of theme areas.)
	Biotechnology	✓	✓		✓		✓		✓ ²	✓		
	Genetics	✓	✓		✓				✓ ²	✓		One of: MATH 1200, 1300 or 1700
	Microbiology	✓	✓						✓	✓		Three credit hours of MATH 1200 or 1300 or 1500, or PHYS 1020 or 1050
Computing	Computer Science			✓	✓					✓ ²	✓	
	Computer Science/ Mathematics Option			✓	✓	✓				✓	✓	
	Computer Science/ Physics & Astronomy			✓	✓	✓	✓	5			✓	
	Computer Science/Statistics			✓	✓	✓				✓	✓	STAT 2000
Physical	Chemistry (with options)		✓		✓	✓	✓	5				Three credit hours of MATH, STAT or COMP (see <i>Undergraduate Calendar</i> for acceptable choices)
	Physics & Astronomy			✓	✓	✓	✓	✓				
	Mathematics/ Physics & Astronomy			✓	✓ ⁴	✓ ⁴	✓	5		✓	3	
	Chemistry/Physics		✓		✓	✓	✓	5				
Mathematical	Actuarial Mathematics			✓	✓	✓				✓		STAT 2000 and ECON 1010 & 1020
	Applied Mathematics (with options)			✓	✓	✓						MATH 1200 is required. (see <i>Undergraduate Calendar</i> for a description of options)
	Mathematics			✓	✓	✓				✓ ²	3 ²	
	Mathematics/ Economics			✓	✓	✓				✓ ²	3 ²	ECON 1010 & 1020
	Statistics			✓	✓	✓				✓	3 ²	Program entry after Year 2 STAT 2000 & 2400 and MATH 1200 ²
	Statistics/Actuarial			✓	✓	✓				✓		STAT 2000 and ECON 1010 & 1020 and W requirement
	Statistics/Economics			✓	✓	✓				✓	3	Program entry after Year 2 ECON 1010 & 1020 and STAT 2000 & 2400
Statistics/ Mathematics			✓	✓	✓				✓	3 ²	Program entry after Year 2 STAT 2000 & 2400	
	Psychology											PSYC 1200 and 6 credit hours of Science courses

NOTE: Equivalent courses offered by the Mathematics Department may be acceptable for program entry. Please refer to the *Undergraduate Calendar* for more information.

1. Include 6 credit hours of Arts courses in your first year. The Arts courses can include your written English (W) requirement.
2. May be completed in Year 1 or 2.
3. Only COMP 1010 is required.
4. MATH 1510 and MATH 1710 are recommended.
5. Must be PHYS 1070

In the event of any inconsistencies between the information provided in this Infosheet and the University's **Undergraduate Calendar**, umanitoba.ca/calendar, the Calendar entry shall prevail. (Effective Sept 2014)