

HONOURS SPECIALIZATION IN MEDICAL CELL BIOLOGY

ADMISSION REQUIREMENTS

Admission to this Honours Specialization module occurs in Year 3 and requires admission to Year 3 of the Bachelor of Medical Sciences (BMSc) Program. Students will usually complete MEDICAL SCIENCES FIRST ENTRY (Medical Sciences 1 and 2) prior to admission to the Honours Specialization module. Enrolment in this Honours Specialization module is limited and meeting the minimum requirements does not guarantee admission.

The 1000-level half courses listed below must each be completed with a mark of at least 60%:

- 1.0 course: Biology 1001A and Biology 1002B.

- 1.0 course: Chemistry 1301A/B and Chemistry 1302A/B.

- 0.5 course from: Calculus 1000A/B, Calculus 1500A/B.

- 0.5 course from: Applied Mathematics 1201A/B, Calculus 1301A/B, Calculus 1501A/B, Mathematics 1600A/B.

- 0.5 course from: Physics 1201A/B, Physics 1501A/B, the former Physics 1028A/B, the former Physics 1301A/B.

- 0.5 course from: Computer Science 1026A/B, Physics 1202A/B, Physics 1502A/B, the former Physics 1029A/B, the former Physics 1302A/B.

The 2000-level courses below must be completed with a minimum mark of 60% in each (unless otherwise indicated) prior to admission to the Honours Specialization module in Year 3. These 2000-level courses will also be used towards the Module requirements. See ADMISSION TO THE BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM for additional average, course load requirements, etc.

- 0.5 course: Biochemistry 2280A with a mark of at least 65%.

- 0.5 course from: Chemistry 2213A/B or Chemistry 2273A.

- 0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.

- 1.5 courses: Biology 2290F/G, Biology 2382A/B, Biology 2581A/B.

MODULE

11.0 courses:

0.5 course: Biochemistry 2280A with a mark of at least 65%.

0.5 course from: Chemistry 2213A/B, Chemistry 2273A.

0.5 course from: Biology 2244A/B, Statistical Sciences 2244A/B.

1.5 courses: Biology 2290F/G, Biology 2382A/B, Biology 2581A/B.

1.5 courses: Anatomy and Cell Biology 3309 with a mark of at least 70%, Anatomy and Cell Biology 3329A/B

1.0 course from: (Anatomy and Cell Biology 2200A/B and either Anatomy and Cell Biology 3200A/B or Anatomy and Cell Biology 3201A/B), Physiology 3120

1.0 course from: Anatomy and Cell Biology 3700F/G, Biochemistry 3381A, Biochemistry 3382A with marks of at least 70% in each.

0.5 course from: Biology 3316A/B, Physiology 3140A with a mark of at least 70% in the course taken.

0.5 course from: Biochemistry 3380G, Biology 3326F/G with a mark of at least 70% in the course taken.

0.5 course: Medical Sciences 3391A/B

1.0 course: Anatomy and Cell Biology 4410A, Anatomy and Cell Biology 4411B.

0.5 course from: Anatomy and Cell Biology 4200A, Anatomy and Cell Biology 4201B, Anatomy and Cell Biology 4425A/B, Anatomy and Cell Biology 4451F/G, Anatomy and Cell Biology 4452A/B, Anatomy and Cell Biology 4461B.

1.5 courses: Anatomy and Cell Biology 4480E (Research Project = 1.5 courses)

PROGRESSION REQUIREMENTS – for students registered in Year 3 of this module in 2025/26 and onward.

NOTE: Students registered in Years 3 and 4 of this module in 2024/25 or earlier must consult the 2024/25 Academic Calendar (or an earlier Academic Calendar, if appropriate).

In addition to the usual [Progression Requirements for HONOURS SPECIALIZATION MODULES](#), students must complete the following 6.5 modular courses by the end of Year 3 (note: some courses require individual marks greater than 60%):

- Biochemistry 2280A (minimum mark of 65%);
- Chemistry 2213A/B or Chemistry 2273A;
- Biology 2244A/B or Statistical Sciences 2244A/B;
- Biology 2290F/G, Biology 2382A/B and Biology 2581A/B;
- Anatomy and Cell Biology 3309 (minimum mark of 70%) and Anatomy and Cell Biology 3329A/B;
- 1.0 course from: Anatomy and Cell Biology 3700F/G, Biochemistry 3381A, Biochemistry 3382A (minimum marks of 70% in the two taken);
- Biochemistry 3380G or Biology 3326F/G (minimum mark of 70% in the course taken); and
- Biology 3316A/B or Physiology 3140A (minimum mark of 70% in the course taken)

It is recommended that students complete Medical Sciences 3391A/B prior to Year 4.

Students registered in Year 3 of the Honours Specialization in Medical Cell Biology in 2025/26 and onward who satisfy the Progression Requirements are assured progression to Year 4 of the Honours Specialization in Medical Cell Biology.

BMSc students who are not registered in Year 3 of the Honours Specialization in Medical Cell Biology in 2025/26 and onward may be considered for admission to Year 4 of the Honours Specialization if (i) the minimum Admission and Progression Requirements are satisfied, (ii) spaces are available, and (iii) permission is granted.