

HONOURS SPECIALIZATION IN BIOCHEMISTRY

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: Biology 2581A/B.

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

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

0.5 course from: Chemistry 2223B or Chemistry 2283G.

1.0 course from: Biology 2290F/G, Biology 2382A/B, Chemistry 2211A/B, Chemistry 2214A/B, Chemistry 2274A, Chemistry 2284B, the former Chemistry 2374A, the former Chemistry 2384B.

MODULE

10.0 courses:

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

0.5 course: Biology 2581A/B.

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

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

0.5 course from: Chemistry 2223B or Chemistry 2283G.

1.0 course from: Biology 2290F/G, Biology 2382A/B, Chemistry 2211A/B, Chemistry 2214A/B, Chemistry 2274A, Chemistry 2284B, the former Chemistry 2374A, the former Chemistry 2384B

1.5 courses: Biochemistry 3380G, Biochemistry 3381A and Biochemistry 3382A with marks of at least 70% in each.

0.5 course: Biochemistry 3390B.

0.5 course: Medical Sciences 3391A/B

1.0 course from: Biochemistry 4410A, Biochemistry 4415B, Biochemistry 4420A, Biochemistry 4425B.

1.5 additional courses from: Biochemistry 3385B, Biochemistry 3392F/G, Biochemistry 4320F/G, Biochemistry 4410A, Biochemistry 4415B, Biochemistry 4420A, Biochemistry 4425B, Biochemistry 4450A.

1.5 courses from: (Biochemistry 4483E or Biochemistry 4484E)

Note: It is recommended that students include at least one of Biology 2290F/G, Chemistry 2214A/B, Chemistry 2274A or the former Chemistry 2374A in the module.

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 5.5 modular courses by the end of Year 3 (note: some courses require individual marks greater than 60%):

- Biochemistry 2280A (minimum mark of 65%);
- Biology 2581A/B;
- Biology 2244A/B or Statistical Sciences 2244A/B;
- Chemistry 2213A/B or Chemistry 2273A;
- Chemistry 2223B or Chemistry 2283G;
- 1.0 course from Biology 2382A/B, Biology 2290F/G, Chemistry 2211A/B, Chemistry 2214A/B, Chemistry 2274A, Chemistry 2284B, the former Chemistry 2374A, the former Chemistry 2384B;
- Biochemistry 3380G, Biochemistry 3381A and Biochemistry 3382A (minimum marks of 70% in each); and
- Biochemistry 3390B.

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

BMSc students who are not registered in Year 3 of the Honours Specialization in Biochemistry 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.