

HONOURS SPECIALIZATION IN ONE HEALTH

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 courses: Biology 1001A and Biology 1002B.

- 1.0 courses: 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.

1.0 course at the 1000-level from either Category A or B must be completed with a passing grade. 1.0 of the following first-year courses is recommended but not required: Sociology 1020 or Sociology 1021E, Geography 1400F/G, Geography 1500F/G, Health Sciences 1001A/B, Health Sciences 1002A/B.

The 2000-level courses below must be completed with a minimum mark of 60% in each 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 requirements (average and course load), etc.

- 0.5 course: Biochemistry 2280A.

- 0.5 course: Biology 2382A/B.

- 0.5 course: Chemistry 2213A/B.

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

Although not required prior to Year 3, students are encouraged to complete Chemistry 2210A/B in Year 2.

MODULE

11.0 courses:

- 0.5 course: Biochemistry 2280A.
- 0.5 course: Biology 2382A/B.
- 1.0 course: Chemistry 2213A/B and Chemistry 2210A/B.
- 0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.
- 0.5 course: Biology 2483A/B.
- 0.5 course from: Environmental Science 2300F/G, the former Environmental Science 3300F/G.
- 0.5 course from: Geography 2133A/B, Geography 2153A/B, Geography 2156A/B, Geography 2160A/B, Geography 2320A/B, Geography 2411F/G, Geography 2430A/B, Geography 3431A/B, Geography 3432A/B, Geography 3445F/G Indigenous Studies 2601F/G, Sociology 2179A/B, Sociology 2180A/B, Sociology 2246A/B, Sociology 2247A/B, Sociology 3308F/G.
- 0.5 course: Epidemiology 2200A/B
- 0.5 course from: Anatomy and Cell Biology 2200A/B, Biology 2581A/B, Biology 3316A/B or Physiology 3140A, Microbiology and Immunology 2500A/B, Pharmacology 3620, Physiology 3120 (see note).
- 0.5 course from: Biostatistics 3100A, Epidemiology 3200A, Medical Sciences 3391A/B
- 1.5 courses: Pathology 3500 with a minimum mark of 70%, Pathology 4400A/B.
- 0.5 course: One Health 3300A/B with a minimum mark of 70%.
- 1.5 course: One Health 3600A/B, One Health 4100F/G, One Health 4700A/B or the former One Health 4800A/B.
- 0.5 course from: Biology 4230A/B, Environmental Science 3350F/G, Microbiology and Immunology 3500B, Pathology 3700F/G, Pathology 4200A/B.
- 1.5 courses: One Health 4980E (Research Project = 1.5 courses).

Note: Including Pharmacology 3620 or Physiology 3120 as a modular requirement will increase the module by 0.5 course.

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

- Biochemistry 2280A;
- Biology 2382A/B;
- Chemistry 2213A/B;
- Biology 2244A/B or Statistical Sciences 2244A/B;
- Epidemiology 2200A/B
- One Health 3300A/B with a mark of at least 70%, One Health 3600A/B;
- Pathology 3500 with a mark of at least 70%; and
- 1.5 additional modular courses;

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

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