HONORS SPECIALIZATION IN MEDICAL BIOPHYSICS (Clinical Physics Concentration)

This module leads to an Honors Bachelor of Medical Sciences (BMSc) degree. See BACHELOR OF MEDICAL SCIENCES (BMSc) PROGRAM for more information.

Admission Requirements
Admission to this Honors 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 Honors Specialization module. Enrolment in this Honors 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 or Calculus 1500A/B
0.5 course from: Calculus 1301A/B or Calculus 1501A/B
0.5 course from: Physics 1028A/B**, Physics 1301A/B, Physics 1501A/B (one of Physics 1301A/B or Physics 1501A/B is preferred)
0.5 course from: Physics 1029A/B**, Physics 1302A/B, 1502A/B (one of Physics 1302A/B or Physics 1502A/B is preferred)
* Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A, and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B.

**A minimum mark of 80% in each of Physics 1028A/B and Physics 1029A/B is required as a prerequisite for Physics 2101A/B, Physics 2102A/B and Physics 2110A/B.

The courses below must be completed with a minimum mark of 60% in each prior to admission to the Honors Specialization module in Year 3. These 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. and MODULES OFFERED IN THE BMSc PROGRAM for specific information about Honors Specialization modules, including the Weighted Average Chart.

0.5 course from: Calculus 2302A/B, Calculus 2502A/B.
0.5 course from: Calculus 2303A/B, Calculus 2503A/B.
0.5 course: Mathematics 1600A/B.
1.5 courses: Physics 2101A/B, Physics 2102A/B, Physics 2110A/B.

Module

11.5 courses:

0.5 course from: Calculus 2302A/B, Calculus 2502A/B.
0.5 course from: Calculus 2303A/B, Calculus 2503A/B.
0.5 course: Mathematics 1600A/B.
1.5 courses: Physics 2101A/B, Physics 2102A/B, Physics 2110A/B.

0.5 course: Computer Science 2035A/B.
1.0 course from: Physiology 2130 or Physiology 3120.
3.0 courses from: Medical Biophysics 3330F/G, Medical Biophysics 3501A, Medical Biophysics 3503G, Medical Biophysics 3505F, Medical Biophysics 3507G, Medical Biophysics 3970Z.
2.0 courses from: Physics 3151A/B, 3200A/B, 3300A/B, 3380A/B, 3400A/B.
1.0 course from: Medical Biophysics 4467A/B, Medical Biophysics 4475A/B.
1.5 courses: Medical Biophysics 4971E. (Research Project = 1.5 courses)