

Honours Integrated Science with a Concentration in Medical & Biological Physics

Admission Notes

1. Completion of MATH 1B03 is required by the end of Level II and is strongly recommended in Level I.
2. Completion of BIOPHYS 1S03 or MEDPHYS 1E03 is recommended in Level 1

Admission

Enrolment in this program is limited and possession of minimum requirements does not guarantee admission. Selection is based on academic achievement but requires as a minimum, completion of Honours Integrated Science I with a Grade Point Average of at least 5.0.

Program Notes

1. Given course scheduling, this concentration may take five years to complete.
2. Students are strongly encouraged to check prerequisites for upper level courses.
3. PHYSICS 2G03 is required by the end of Level III and is recommended in Level II.
4. Students interested in medical physics or health physics, especially those considering postgraduate studies in these areas should take 9 units from Course List A – Medical Physics focus. These courses also contribute to the core knowledge and learning objectives required by the Commission on Accreditation of Medical Physics Education Programs.
5. Students interested in Biochemistry, especially those considering postgraduate studies in these areas should take 9 units from Course List B – Biochemistry focus.
6. Students interested in physics and soft matter physics, especially those considering postgraduate studies in these areas should take 9 units from Course List C – Physics of Soft Matter focus.

Course List A – Medical Physics Focus

KINESIOL 2YY3, MEDPHYS 3C03, MEDPHYS 4D03, MEDPHYS 4F03, MEDPHYS 4I03, MEDPHYS 4RB3, MEDPHYS 4T03, MEDPHYS 4U03

Course List B – Biochemistry Focus

BIOCHEM 3BP3, BIOCHEM 3M13, BIOCHEM 3Z03, BIOCHEM 4M03, BIOCHEM 4N03, BIOCHEM 4Q03, BIOPHYS 3D03, BIOPHYS 4S03

Course List C – Physics of Soft Matter Focus

PHYSICS 2BB3, PHYSICS 3N03, PHYSICS 3N04, PHYSICS 4F03, PHYSICS 4G03, PHYSICS 4K03

REQUIREMENTS

120 units total (Levels I to IV), of which no more than 48 units may be Level I

LEVEL 1

30 units (See *Admission* above.)

LEVEL II-IV: 90 UNITS

42 units	ISCI 2A18 A/B, 3A12 A/B, 4A12 A/B
3 units	KINESIOL 2Y03
6 units	MATH 2C03, 3C03
15 units	PHYSICS 2B03, 2C03, 2G03, 3K03, 3MM3
6 units	from BIOPHYSICS 2S03, 3S03, MEDPHYS 4B03, 4RA3
9 units	from Course Lists A, B, C (See <i>Program Notes 4-6</i> above.)
0-3 units	MATH 1B03 if not completed in Level I (See <i>Admission Note</i> above.)
6-9 units	Elective (See <i>Program Notes 2-3</i> above.)