

Physics for Modern Technology Foundation Year

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2014
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Physics for Modern Technology Foundation Year provides students with an opportunity to prepare for admission to Year Two of the Major program.

The B.Sc. Major in Physics for Modern Technology will give students a solid background in physics and also in the applications of physics to modern technology. The program has been designed with the needs of local high-tech industry in mind and will equip students to work in a wide variety areas including (but not limited to): green energy technology, industrial process control, electronics, robotics, technical sales, and teaching. In order to ensure students' future success in the workplace, the program includes a work placement and business courses.

A student applying for Year 1, the Foundation Year, need only meet the general university admission requirements. Once admitted to the Foundation Year, students can receive guidance from program personnel. Students who arrive at KPU missing prerequisites for any Year 1 courses can take upgrading courses during the Foundation Year.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply, including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

In order to prepare for admission to the BSc Major in Physics for Modern Technology, Year 2, students must have completed 30 undergraduate-level credits with no grade less than 'C' in each course plus:

All of:

BIOL 1110	Introductory Biology I	4 credits
CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits

ENGL 1100 Introduction to University Writing 3 credits

PHYS 1600 Introduction to Modern Technology 3 credits

And one of:

MATH 1120 Differential Calculus (recommended) 3 credits

MATH 1130 Calculus for Life Sciences I 3 credits

And one of:

MATH 1220 Integral Calculus 3 credits

MATH 1230 Calculus for Life Sciences II 3 credits

And one of:

PHYS 1101 Physics for Life Sciences I 4 credits

PHYS 1120 Physics for Physical and Applied Sciences I (recommended) 4 credits

And one of:

PHYS 1102 Physics for Life Sciences II 4 credits

PHYS 1220 Physics for Physical and Applied Sciences II (recommended) 4 credits

And:

One Breadth Elective (see Physics for Modern Technology Electives) 3 credits

Courses may be completed on a full-time or part-time basis.

CREDENTIAL AWARDED

Upon successful completion of the Foundation Year, students may seek admission to the Bachelor of Science, Major in Physics for Modern Technology.