

## B.Sc. MAJOR in PHYSICS

### Program Requirements

**2018-19**  
**Calendar**

English 3 credit hr	Humanities 3 credit hr	Arts/ECON 12 credit hr	Electives 33 credit hr	MATH/CSCI 6 credit hr	Science Breadth 18 credit hr	MAJOR Subject Area <b>PHYSICS</b> 45 credit hr
ENGL 1205				MATH 1210 Intro Calculus I	***	PHYS 1210 (1100) University Physics I
				MATH 1211 Intro Calculus II	***	PHYS 1211 (1101) University Physics II
					***	PHYS 1500 Intro to Modern Physics
					MATH 2311 Intermediate Calculus	PHYS 2300 Vibrations Waves Optics
					MATH 2301 Applied Linear Algebra	PHYS 2301 Analytical Mechanics
					MATH 2303 Differential Equations I	PHYS 2400 Electricity & Magnetism
						PHYS 3200 Math Methods in Physics I
						PHYS 3201 Math Methods in Physics II
						PHYS 3300 Classical Mechanics
						PHYS 3210 Computational Methods
						PHYS 3500 Quantum Mechanics I
						PHYS 3350 Thermal Physics
						PHYS 3600 Experimental Physics I
						PHYS 3400 Electrodynamics
						PHYS 4500 Quantum Mechanics II

**NOTES:**

\*\*\* Recommended: CSCI 1226, CHEM 1210,  
CHEM 1211

LIGHT GRAY = suggested schedule for Year1

DARK GRAY = suggested schedule for Year2

**No changes to requirements from 2017-18**

*Every effort is made to ensure that the information summarized here is accurate. Students are reminded that the University Academic Calendar is the official source of Program information.*

A minimum GPA of 2.2 is required in the Major Subject Area courses.

**Course & Elective Options:**

**Sciences:** Astronomy, Biology, Chemistry, Computing Science, Environmental Science, Geology, Mathematics, Physics, Psychology (Excluding ASTR 1010, CHEM 1221, FRSC 2200, FRSC 2001, GEOL 1202, GEOL 1203, GEOL 1210, MATH 1202, and MATH 1203)

**Arts:** Anthropology, Arabic, Asian Studies, Atlantic Canada Studies, Chinese, Classics, Economics, English, French, German, Geography, Hispanic Studies, History, Irish Studies, Japanese, Linguistics, Philosophy, Political Science, Religious Studies, Sociology, Spanish, Women & Gender Studies

**Humanities:** Classics, English (other than 1205), History, Philosophy, Religious Studies and Modern Languages (courses in literature and/or culture)