

## B.Sc. MAJOR in PHYSICS

### Program Requirements

Humanities 6 credit hr	Arts/ECON 12 credit hr	Electives 36 credit hr	MATH/CSCI 6 credit hr	Science Breadth 18 credit hr	MAJOR Subject Area <b>PHYSICS</b> 42 credit hr
			MATH 1210 Intro Calculus I	CSCI 1226 or CSCI 1227	PHYS 1210 University Physics I
			MATH 1211 Intro Calculus II	***	PHYS 1211 University Physics II
				***	PHYS 1500 Intro to Modern Physics ■
				MATH 2311 Intermediate Calculus	PHYS 2302 Mechanics I
				MATH 2301 Applied Linear Algebra	PHYS 2303 Mechanics II
				MATH 2303 Differential Equations I	PHYS 2410 Electricity & Magnetism
					PHYS 2510 Thermodynamics
					PHYS 3200 Math Methods in Physics I
					PHYS 3410 Electromagnetism
					PHYS 3500 Quantum Mechanics I
					PHYS ≥ 3xxx
					PHYS ≥ 3xxx
					PHYS ≥ 3xxx
					PHYS ≥ 3xxx

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

**NOTES:**

\*\*\* Recommended: CSCI 1228 (*prerequisite is CSCI 1226 with grade of C or higher*) and/or CHEM 1210 & 1211

■ PHYS 1500 can be taken in Year 2.

LIGHT GRAY = suggested schedule for Year1

DARK GRAY = suggested schedule for Year2

*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.*

**Course & Elective Options:**

**Sciences:** Astronomy, Biology, Chemistry, Computing Science, Environmental Science, Geography (Group B only), Earth Science/Geology, Mathematics, Physics, Psychology (Excluding ASTR 1010, CHEM 1221, MATH 1202, and MATH 1203)

**Arts:** Anthropology, Asian Studies, Atlantic Canada Studies, Chinese, Ancient Studies, Criminology, Economics, English, Entrepreneurship, French, German, Geography (Group A, C, D only), Global Development Studies, Health Wellness and Sport in Society, History, Intercultural Studies, Irish Studies, Japanese, Latin, Linguistics, Philosophy, Political Science, Public Humanities & Heritage, Religion, Sociology, Social Justice and Community Studies, Spanish, Women, Gender Studies & Sexuality

**Humanities:** Ancient Studies, Asian Studies, Atlantic Canada Studies, English, History, Intercultural Studies, Philosophy, Public Humanities & Heritage, Religion, and Modern Languages (courses in literature and/or culture)