

B.Sc. MAJOR in PHYSICS

Program Requirements

**2024-25
Calendar**

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 PHYSICS 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), Geology, Mathematics, Physics, Psychology (Excluding ASTR 1010, CHEM 1221, GEOL 1202, GEOL 1203, GEOL 1210, MATH 1202, and MATH 1203)

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

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