

B.Sc. MAJOR in PHYSICS

Program Requirements

2017-18
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 PHYSICS 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

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)