

## B.Sc. MAJOR in COMPUTING SCIENCE

### Program Requirements

**2019-20**  
**Calendar**

Humanities 6 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>COMPUTING SCIENCE</b> 45 credit hr
			MATH 1210	MATH 1216 Intro. Math. Statistics	CSCI 1226◆ Intro. to Comp. Sci. & Programming
			MATH 1211	MATH 2301 Applied Linear Algebra	CSCI 1228 Adv. Comp. Programming & Prob. Solving
				MATH 2305 Survey of Discrete Math	CSCI 2307 Theoretical Foundations of Computer Sci.
					CSCI 2308 Introduction to Numerical Analysis
					CSCI 2327 Digital Logic & Comp. Architecture
					CSCI 2341 Data Structures & Algorithms I
					CSCI 2355 Internet Tech. <b>OR</b> CSCI 2356 Mobile App Dev't
					CSCI > 2306
					CSCI 3428 Software Engineering
					CSCI 3430 Principles of Programming Language
					CSCI 3431 Operating Systems
					CSCI 3461 Database Systems <b>OR</b> CSCI 4477 Data Mining
					CSCI ≥ 3xxx
					CSCI ≥ 3xxx
					CSCI ≥ 3xxx

**NOTES:**

- A minimum GPA of 2.2 is required in the Major Subject Area courses
- ◆ A minimum grade of C is required in CSCI 1226 to take CSCI 1228

LIGHT GRAY = *suggested* schedule for Year 1

DARK GRAY = *suggested* schedule for Year 2

*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, 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)