Saint Mary's University — SCIENCE

B.Sc. MAJOR in COMPUTING SCIENCE
Program Requirements

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 COMPUTING SCIENCE **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 2327 Digital Logic & Comp. Architecture
					CSCI 2341 Data Structures & Algorithms I
					CSCI 2355 Intro Internet Tech. **OR** CSCI 2356 Mobile App Dev't
					CSCI > 2306
					CSCI 2307 Theoretical Foundations of Computer Sci.
					CSCI 2308 Introduction to Numerical Analysis
					CSCI 3428 Software Engineering
					CSCI 3430 Principles of Programming Language
					CSCI 3431 Operating Systems
					CSCI 3461 Database Systems **OR** 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, 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, Religious Studies, Sociology, Social Justice and Community Studies, Spanish, Women & Gender Studies

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