

B.S. in Computer Science

St. Mary's University Core ¹

SMC 1301	Foundations of Civilization	3
SMC 1311	Foundations of Reflection:Self	3
SMC 1312	Foundations of Reflection: Nature	3
SMC 1313	Foundations of Reflection: Others	3
SMC 1314	Foundations of Reflection: God	3
SMC 2301	Foundations of Practice: Ethics	3
SMC 2302	Foundations of Practice: Civic Engagement and Social Action	3
SMC 2303	Foundations of Practice:Fine Arts and Creative Process	3
SMC 2304	Foundations of Practice: Literature	3
SMC 4301	Capstone Seminar: Prospects for Community & Civilization	3

School of Science, Engineering, and T echnology Specific Core

Speech 3

Select one of the following:

CM 1341 Fundamentals of Oral Communication

CM 2333 Business and Professional Communication

Rhetoric & Composition ² 3

EN 1311 Rhetoric and Composition

Foreign Languages 6

Select one of the following:

6 hours at the sophomore level (2311, 2312) in a Foreign Language previously studied for a minimum of one year

6 hours of introductory level (1311, 1312) in a Foreign Language not previously studied

12 hours of CLEP/AP credit

History/Social Science 3

Select one of the following:

Any HS course

BA 1310 Fundamentals of Business Enterprise

CJ 1301 Introduction to Criminal Justice

CJ 3300 Adjudication of Social Issues

EC 2301 Introductory Macroeconomic Theory

EC 2303 Introductory Microeconomic Theory

MN 3330 Organizational Behavior

PO 1311 American National Government

PO 1312 Texas State & Local Government

PO 1314 Introduction to Global Affairs

PS 1301 General Psychology

PS 3386 Human Factors

SC 1311 Introductory Sociology

SC 3321 Social Issues

HU 3300 Perspectives and Themes in History, Philosophy and/or Theology

HU 3303 Perspectives and Themes in Social Science

Theology 3

Select one of the following:

Advanced Theology TH 33XX/43XX

HU 3300 Perspectives and Themes in History, Philosophy and/or Theology

Fine Arts/Literature 3

Select one AR, DM, MU or any EN 23XX literature course

BS Computer Science Courses

CS 1310 Programming I 3

CS 1311	Programming II	3
CS 2110	Sophomore CS Seminar	1
CS 2313	Object Oriented Programming I	3
CS 2315	Algorithms	3
CS 2323	Object Oriented Programming II	3
CS 2350	Computer Architecture	3
CS 3110	Junior CS Seminar	1
CS 3310	Intro to Systems Analysis and Design	3
CS 3335	Survey of Programming Languages	3
CS 3340	Software Engineering	3
CS 3350	Operating Systems	3
CS 4110	Senior CS Seminar	1
CS 4320	Files & Databases	3
CS 4330	Data Communication	3
CS 4395	Senior Project	3
Advanced Computer Science CS 33XX/43XX		3

Math Minor Courses

MT 2412	Calculus I	4
MT 2413	Calculus II	4
MT 3323	Discrete Math Structures	3
MT 3324	Linear Algebra	3
Advanced Mathematics MT 3XXX/43XX		3

Electives

An elective can be any course taken from any discipline. 7

Proficiency in Information Technology and Information Literacy

For this major, this requirement will be fulfilled by coursework in this degree plan.

Total Semester Hours 120

- 1 All St. Mary's Core SMC 13XX "Reflection" courses must be completed before registering for SMC 23XX "Practice" courses.
 2 Grade of "C" or better is required. International students may be required to take EN 1313 to fulfill this requirement.

This is a recommended degree plan subject to changes. Please meet with your adviser on a regular basis.

First Year

Fall	Semester Spring Hours	Semester Hours
SMC 13XX	3 SMC 13XX	3
EN 1311	3 SMC 13XX	3
CS 1310	3 Speech	3
MT 2412	4 CS 1311	3
ND 0101	0 MT 2413	4
	13	16

Second Year

Fall	Semester Spring Hours	Semester Hours
SMC 13XX	3 SMC 13XX	3
Foreign Language	3 Foreign Language	3
CS 2110	1 CS 2323	3
CS 2313	3 CS 2350	3
CS 2315	3 MT 3324	3
MT 3323	3	
	16	15

Third Year

Fall	Semester Spring Hours	Semester Hours
SMC 23XX	3 SMC 23XX	3
SMC 23XX	3 SMC 23XX	3
Fine Arts/Literature	3 CS 3340	3
CS 3110	1 CS 4330	3
CS 3310	3 MT 4351	3
CS 3350	3	
	16	15

Fourth Year

Fall	Semester Spring Hours	Semester Hours
Advanced Theology	3 SMC 4301	3
History/Social Science	3 CS 4395	3
CS 3335	3 Elective	3
CS 4110	1 Elective	3
CS 4320	3 Elective	1
Advanced Computer Science	3	
	16	13

Total Semester Hours 120