

St. Mary's University

BA in Computer Information Systems Degree Plan – 120 Hours

The maximum credit transferable from a junior college, or any combination of junior colleges, is 66 semester hours.

St. Mary's Core (42 hours)

Requirements	Texas Common Course Equivalency	Hours Required
___ First Year Experience	Not required for transfer students accepted with 30 or more credit hours however a student may need to take three (3) additional hours of elective credits in order to meet the required hours for this degree.	3
___ Freshmen Composition I	ENGL 1301	3
___ Literature	ENGL 1302 or any ENGL 23XX Literature course	3
___ History	Any HIST 13XX or 23xx course	3
___ Social Science	ECON 2301 and ECON 2302	6
___ Mathematics	MATH 1342 or MATH 1442	
___ Natural or Physical Sciences	Select one: BIOL 1308, BIOL 1309, CHEM 1411, CHEM 1412, GEOL 1301, GEOL 1303, GEOL 1401, GEOL 1403, GEOG 1301, GEOL 1304, GEOL 1305, GEOL 1404, GEOL 1405, PHYS 1305, PHYS 1401, PHYS 1402.	3
___ Fine Arts	Any 3-credit hour Fine Arts course from the following: ARTS, MUSI, DRAM	3
___ Foreign Language and International Engagement	Two courses (1411 and 1412) in a language not previously studied or two courses (2311 and 2312) in a language previously studied	6
___ Philosophy – Self	PHIL 1301	3
___ Philosophy – Ethics	PHIL 2306	3
___ Theology	Theology courses from other universities may be transferable with the approval of the Theology Department	3
___ Intermediate Theology	Theology courses from other universities may be transferable with the approval of the Theology Department	3

Computer Information Systems Major Courses (57 hours)

Requirements for this major:	Texas Common Course Equivalency	Hours Required
___ MT 1305 – Finite Mathematics	MATH 1324	3
___ MT 2306 – Business Statistics	BUSI 2305	3
___ MT 2323 – Discrete Math Structures	MATH 2305	3
___ CS 1310 – Programming I in C	COSC 1336 or COSC 1436	3
___ CS 1311 – Data Structures	COSC 2436 or COSC 2336	3
___ CS 2110 – Sophomore CS seminar	No equivalent	1
___ CS 2313 – Object Oriented Programming I	COSC 1337 or COSC 1437	1
___ CS 2315 - Algorithms	No equivalent	3
___ CS 2323 – Object Oriented Programming II	No equivalent	3
___ CS 2350 – Computer Architecture	COSC 2325	3

—	CS 43XX – CS Elective	No equivalent	3
—	CS 3110 – Junior CS Seminar	No equivalent	1
—	CS 3310 – Intro to Systems Analysis and Design	No equivalent	3
—	CS 3320 – Files and Database	No equivalent	3
—	CS 3330 – Computer Networks	No equivalent	3
—	CS 3335 – Operating Systems	No equivalent	3
—	CS 3340 – Software Engineering	No equivalent	3
—	CS 3350 – Operating Systems	No equivalent	3
—	CS 4110 – Senior CS Seminar	No equivalent	1
—	CS 4315 – AI & Machine Learning	No equivalent	3
—	CS 4395 – Senior Project	No equivalent	3
Business Courses (15 hours)			3
—	AC 2301 – Financial Accounting	ACCT 2301	3
—	AC 2302 – Managerial Accounting	ACCT 2302	3
—	EC 2301 – Introductory Macroeconomic Theory	ECON 2301	3
—	EC 2303 – Introductory Microeconomic Theory	ECON 2302	3
—	Business 33XX or 43XX	No equivalent	3
Electives (12 hours)			12
Total Semester hours for this degree			120

An elective can be any course taken from any discipline. Students can use these hours to pursue certificates, minors, or second majors.

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