St. Mary's University-Alamo Colleges Transfer Guidelines
Bachelor of Science Software Engineering (SECA)

Students can transfer to St. Mary's a maximum of 66 hours from the Alamo Colleges.
Select a combination of the courses listed below.

St. Mary's University Core (SMC) – 21 hours		
SMC Courses	**Hours**	**Transfer Equivalencies**
SMC 1301	3	HIST 1301 , 1302, 2311, 2312
SMC 1311	3	PHIL 1301
SMC 1312	3	ASTR 1301, 1303, 1304, 1370; BIOL 1308, 1309, 1322, 1333, 1406, 1407, 1408, 1409; CHEM 1412; GEOL 1301, 1304, 1305, 1345, 1401, 1404
SMC 1313	3	BUSI 1301; CRIJ 1301; ECON 2301, 2302; GOVT 2301, 2302, 2305, 2306; HIST 1301, 1302, 2311, 2312; PSYC 2301; SOCI 1301
SMC 2301	3	PHIL 2306
SMC 2303	3	ARTS 1311, 1312, 1316, 2316; DRAM 1310, 1322, 1351; MUSI 1306
SMC 2304	3	ENGL 2321, 2322, 2327, 2328, 2332, 2333

School of Science, Engineering, and Technology School Specific Core (SSC) – 12 hours		
SSC Courses	**Hours**	**Transfer Equivalencies**
Composition	3	ENGL 1301
Foreign Languages	6	SPAN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; ARAB 1411, 1412; GERM 1411, 1412, 2311, 2312; ITAL 1411, 1412, 2311, 2312; JAPN 1411, 1412, 2311, 2312; LATI 1411, 1412, 2311, 2312; CHIN 1411, 1412, 2311, 2312
Fine Arts (EG 1301)	3	ENGR 1304

B.S. Software Engineering (SECA) – 26 hours		
Major Courses	**Hours**	**Transfer Equivalencies**
CH 1401	4	CHEM 1411
EG 1302	3	ENGR 2304
EG 2307	3	ENGR 2302
MT 2412	4	MATH 2413
MT 2413	4	MATH 2414
PY 1404	4	PHYS 2425
PY 2404	4	PHYS 2426

∗ Transfer courses must be completed with a "C" or better. Transfer work will not be posted until an official transcript is received. Courses transfer only as lower division courses (1XXX, 2XXX) not as advanced courses (3XXX or higher).
∗ A course will first fulfill the School Specific Core (SSC) requirements before fulfilling the St. Mary's Core (SMC) requirements
∗ A course can only fulfill one course requirement.
∗ Once a student has matriculated to St. Mary's University, Math, Philosophy, Theology, and SMC 1301, 1311, 1314, 2301 2302, and 4301 may no longer be transferred to St. Mary's University.

St. Mary's Courses			Alamo Colleges	
St. Mary's Core (30 hours)				
Course Number	Title		Course Number	Hrs
SMC 1301	Foundation of Civilization		HIST 1301, 1302, 2311, 2312	3
SMC 1311	Foundation of Reflection: Self		PHIL 1301	3
SMC 1312	Foundation of Reflection: Nature		ASTR 1303, 1304, 1370, 1371, 1403, 1404; GEOL 1301, 1302, 1303, 1304, 1305, 1345	3
SMC 1313	Foundation of Reflection: Other		BUSI 1301; CRIJ 1301; ECON 2301, 2302; GOVT 2301, 2302, 2305, 2306; HIST 1301, 1302, 2311, 2312; PSYC 2301; SOCI 1301	3
SMC 1314	Foundation of Reflection: God		No equivalency. Must take Course at St. Mary's	
SMC 2301	Foundation of Practice: Ethics		PHIL 2306	3
SMC 2302	Foundation of Practice: Civic Engmt		No equivalency. Must take Course at St. Mary's	
SMC 2303	Foundation of Practice: Fine Arts		ARTS 1311, 1312, 1316, 2316; DRAM 1310, 1322, 1351; MUSI 1306	3
SMC 2304	Foundation of Practice: Literature		ENGL 2321, 2322, 2327, 2328, 2332, 2333	3
SMC 4301	Capstone Seminar		No equivalency. Must take Course at St. Mary's	
			Total Transferable from Alamo Colleges	**21**
School of Science, Engineering and Technology Specific Core (21 hours)				
Speech (EG 4362: Senior Design Project I)			No equivalency. Must take Course at St. Mary's	
Rhetoric and Composition			ENGL 1301	3
Foreign Language			Six hours of Foreign Language at an introductory level (1411, 1412) or intermediate level (2311, 2312); Or, 12 hours of CLEP credit for a language previously studied.	6
Social Science (EG 3334: Engineering Economics)			No equivalency. Must take Course at St. Mary's	
Theology			No equivalency. Must take Course at St. Mary's	
Fine Arts (EG 1301: Graphic Design)			ENGR 1304	3
			Total Transferable from Alamo Colleges	**12**
BS Software Engineering Major Courses (77 hours)				
CH 1401	General Chemistry I		CHEM 1411	4
CS 3340	Software Engineering		No equivalency. Must take Course at St. Mary's	
CS 3350	Operating Systems		No equivalency. Must take Course at St. Mary's	
CS 4320	Files and Databases		No equivalency. Must take Course at St. Mary's	
EG 1302	Programming for Engineers		ENGR 2304	3
EG 1305	Object Oriented Programming & Design		No equivalency. Must take Course at St. Mary's	
EG 2307	Engineering Mechanics		ENGR 2302	3
EG 2310	Human Computer Interaction		No equivalency. Must take Course at St. Mary's	
EG 2311	Software Requirement Engineering		No equivalency. Must take Course at St. Mary's	
EG 2342	Data Structures and Algorithms		No equivalency. Must take Course at St. Mary's	
EG 3350	Software Design and Architecture		No equivalency. Must take Course at St. Mary's	
EG 3351	Software Project Management		No equivalency. Must take Course at St. Mary's	
EG 3352	Software Quality Assurance & Test		No equivalency. Must take Course at St. Mary's	
EG 3374	Computer Organization & Architecture		No equivalency. Must take Course at St. Mary's	
EG 3392	Java and Application		No equivalency. Must take Course at St. Mary's	
EG 4351	Formal Methods in Software Eng		No equivalency. Must take Course at St. Mary's	
EG 4352	Software Maintenance & Evolution		No equivalency. Must take Course at St. Mary's	
EG 4356	Computer Networking		No equivalency. Must take Course at St. Mary's	
MT 2412	Calculus I		MATH 2413	4
MT 2413	Calculus II		MATH 2414	4
MT 3323	Discrete Mathematics		No equivalency. Must take Course at St. Mary's	
MT 4331	Probability and Statistics I		No equivalency. Must take Course at St. Mary's	
PY 1404	University Physics I		PHYS 2425	4
PY 2404	University Physics II		PHYS 2426	4
			Total Transferable from Alamo Colleges	**26**