

**St. Mary's University-Alamo Colleges Transfer Guidelines
Bachelor of Arts Physics (PY)**

*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; 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) – 18 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
Speech	3	SPCH 1311, 1315, 1318, 1321, 1342
Social Science	3	BUSI 1301; CRIJ 1301; ECON 2301, 2302; GOVT 2301, 2302, 2305, 2306; HIST 1301, 1302, 2311, 2312; PSYC 1301; SOCI 1301
Fine Arts/ Literature	3	ARTS 1311, 1312, 1316, 2316; DRAM 1310, 1322, 1351; MUSI 1306/ENGL 2321, 2322, 2327, 2328, 2332, 2333

B.A. Physics (PY) – 16 hours		
Major Courses	Hours	Transfer Equivalencies
CH 1401	4	CHEM 1411
CH 1402	4	CHEM 1412
PY 1404	4	PHYS 2425
PY 2404	4	PHYS 2426

Mathematics Minor Courses – 8 hours		
MT Course	Hours	Transfer Equivalencies
MT 2412	4	MATH 2413
MT 2413	4	MATH 2414

- * 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 1301, 1303, 1304, 1370; BIOL 1308, 1309, 1322, 1333, 1406, 1407, 1408, 1409; GEOL 1301, 1304, 1305, 1345, 1401, 1404	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)

Speech	SPCH 1311, 1315, 1318, 1321, 1342	3
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	BUSI 1301; CRIJ 1301; ECON 2301, 2302; GOVT 2301, 2302, 2305, 2306; HIST 1301, 1302, 2311, 2312; PSYC 2301; SOCI 1301	3
Theology	No equivalency. Must take Course at St. Mary's	
Fine Arts/Literature	ARTS 1311, 1312, 1316, 2316; DRAM 1310, 1322, 1351; MUSI 1306/ENGL 2321, 2322, 2327, 2328, 2332, 2333	3
Total Transferable from Alamo Colleges		18

B.A. Physics Courses (52 hours)

CH 1401	General Chemistry I	CHEM 1411	4
CH 1402	General Chemistry II	CHEM 1412	4
EG 3145	Circuits and Systems Lab	No equivalency. Must take Course at St. Mary's	
EG 3156	Electronics I Lab	No equivalency. Must take Course at St. Mary's	
EG 3345	Circuits and Systems	No equivalency. Must take Course at St. Mary's	
EG 3356	Electronics 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
PY 3101	Atomic Physics Lab	No equivalency. Must take Course at St. Mary's	
PY 3301	Atomic Physics	No equivalency. Must take Course at St. Mary's	
PY 3304	Thermodynamics	No equivalency. Must take Course at St. Mary's	
PY 3305	Physical Optics	No equivalency. Must take Course at St. Mary's	
PY 3307	Classical Mechanics	No equivalency. Must take Course at St. Mary's	
PY 3308	Intro to Quantum Mechanics	No equivalency. Must take Course at St. Mary's	
PY 3309	Electromagnetic Theory	No equivalency. Must take Course at St. Mary's	
Advanced Science	No equivalency. Must take Course at St. Mary's		
Advanced Science	No equivalency. Must take Course at St. Mary's		
Advanced Science/ Open Elective	No equivalency. Must take Course at St. Mary's		
Total Transferable from Alamo Colleges			16

Math Minor Courses (18 hours)

MT 2412	Calculus I	MATH 2413	4
MT 2413	Calculus II	MATH 2314	4
MT 3311	Differential Equations	No equivalency. Must take Course at St. Mary's	
MT 3414	Multivariate Calculus	No equivalency. Must take Course at St. Mary's	
MT 33XX/43XX	Advanced Mathematics	No equivalency. Must take Course at St. Mary's	
Total Transferable from Alamo Colleges			8