

**St. Mary's University-Alamo Colleges Transfer Guidelines**  
**Bachelor of Science Mathematical Science**

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

<b>St. Mary's University Core (SMC) – 21 hours</b>		
<b>SMC Courses</b>	<b>Hours</b>	<b>Transfer Equivalencies</b>
SMC 1301	3	HIST 1301, 1302, 2311, 2312
SMC 1311	3	PHIL 1301
SMC 1312	3	ASTR 1301, 1303, 1304, 1370; GEOL 1301, 1304, 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

<b>School of Science, Engineering, and Technology School Specific Core (SSC) – 18 hours</b>		
<b>SSC Courses</b>	<b>Hours</b>	<b>Transfer Equivalencies</b>
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 2301; 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>B.S. Mathematical Science Major Courses – 8 hours</b>		
<b>Major Courses</b>	<b>Hours</b>	<b>Transfer Equivalencies</b>
MT 2412	4	MATH 2413
MT 2413	4	MATH 2414

<b>Science Minor – 6/8 hours</b>					
<b>Possible Biology Minor</b>			<b>Possible Mathematics Minor</b>		
<b>Minor Courses</b>	<b>Hours</b>	<b>Transfer Equivalencies</b>	<b>Minor Courses</b>	<b>Hours</b>	<b>Transfer Equivalencies</b>
BL 1401	4	BIOL 1406	MT 2412	4	MATH 2413
BL 1402	4	BIOL 1407	MT 2413	4	MATH 2414
<b>Possible Physics Minor</b>			<b>Possible Environmental Science Minor</b>		
<b>Minor Courses</b>	<b>Hours</b>	<b>Transfer Equivalencies</b>	<b>Minor Courses</b>	<b>Hours</b>	<b>Transfer Equivalencies</b>
PY 1404	4	PHYS 2425	MT 2303	3	MATH 1442
PY 2404	4	PHYS 2426	ES 1373	3	GEOL 1305

<b>General Electives Courses – 12 hours</b>		
<b>Course</b>	<b>Hours</b>	<b>Transfer Equivalencies</b>
Elective	3	Please refer to the <a href="#">Transfer Articulation</a> for possible elective credits
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- \* 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
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**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; GEOL 1301, 1304, 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	
<b>Total Transferable</b>			<b>21</b>

**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
<b>Total Transferable</b>		<b>18</b>

**BS Mathematical Science Major Courses (59 hours)**

MT 2412	Calculus I	MATH 2413	4
MT 2413	Calculus II	MATH 2414	4
MT 3311	Differential Equations	No equivalency. Must take Course at St. Mary's	
MT 3324	Linear Algebra	No equivalency. Must take Course at St. Mary's	
MT 3372	Mathematical Modeling	No equivalency. Must take Course at St. Mary's	
MT 3414	Calculus III	No equivalency. Must take Course at St. Mary's	
MT 4331	Probability and Statistics I	No equivalency. Must take Course at St. Mary's	
MT 4332	Probability and Statistics II	No equivalency. Must take Course at St. Mary's	
MT 4351	Numerical Analysis I	No equivalency. Must take Course at St. Mary's	
MT 4395	Senior Mathematics Seminar	No equivalency. Must take Course at St. Mary's	
MT 33XX/43XX	Advanced Math Course	No equivalency. Must take Course at St. Mary's	
MT 33XX/43XX	Advanced Math Course	No equivalency. Must take Course at St. Mary's	
<b>Total Transferable</b>			<b>8</b>

**Science Minor Courses (18-20 hours)**

Science Minor	Biology/Chemistry/Physics/Env Sci	BIOL 1406, 1407; CHEM 1411, 1412; PY 1401, 1402; GEIOL 1305; MATH 1442	
Science Minor	Biology/Chemistry/Physics/Env Sci	BIOL 1406, 1407; CHEM 1411, 1412; PY 1401, 1402; GEIOL 1305; MATH 1442	
Science Minor	Biology/Chemistry/Physics/Env Sci	No equivalency. Must take Course at St. Mary's	
Science Minor	Biology/Chemistry/Physics/Env Sci	No equivalency. Must take Course at St. Mary's	
Science Minor	Biology/Chemistry/Physics/Env Sci	No equivalency. Must take Course at St. Mary's	
Science Minor	Biology/Chemistry/Physics/Env Sci	No equivalency. Must take Course at St. Mary's	
<b>Total Transferable</b>			<b>8</b>

**General Elective Courses (12 hours)**

General Elective	Please refer to the <a href="#">Transfer Articulation</a> for possible elective credits		
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General Elective	Please refer to the <a href="#">Transfer Articulation</a> for possible elective credits		
<b>Total Transferable from Alamo Colleges</b>			<b>12</b>