

St. Mary's University-Alamo Colleges Transfer Guidelines
Bachelor of Science Physics – Biophysics Option (BIPY)

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 | | |
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| 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; 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.S. Physics – Biophysics (BIPY) – 32 hours | | |
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| Major Courses | Hours | Transfer Equivalencies |
| BL 1401 | 4 | BIOL 1406 |
| BL 1402 | 4 | BIOL 1407 |
| CH 1401 | 4 | CHEM 1411 |
| CH 1402 | 4 | CHEM 1412 |
| 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.

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| 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, 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)

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|--------------------------|--|---|
| 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

BA Physics Biophysics Option (74 hours)

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| BL 1401 | General Biology I | BIOL 1406 | 4 |
| BL 1402 | General Biology II | BIOL 1407 | 4 |
| CH 1401 | General Chemistry I | CHEM 1411 | 4 |
| CH 1402 | General Chemistry II | CHEM 1412 | 4 |
| CH 3411 | Organic Chemistry I | No equivalency. Must take Course at St. Mary's | |
| CH 3412 | Organic Chemistry II | No equivalency. Must take Course at St. Mary's | |
| CH 4451 | Biochemistry I | No equivalency. Must take Course at St. Mary's | |
| 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 3414 | Calculus III | 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 3102 | Advanced 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 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 | |
| PY 3325 | Special Topics- Biophysics | No equivalency. Must take Course at St. Mary's | |
| Advanced Science Elective | No equivalency. Must take Course at St. Mary's | | |
| Advanced Science Elective | No equivalency. Must take Course at St. Mary's | | |

Total Transferable from Alamo Colleges 32