

| MATHEMATICS | |
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| RECOMMENDED COURSE SELECTION | |
| Fall 1st Year | Spring 1st Year |
| <input type="checkbox"/> *** MATH 2413 Calculus I (4) <input type="checkbox"/> ** CHEM 1411 General Chemistry I (4) <input type="checkbox"/> COSC 1336 Fundamentals of Programming I (3) <input type="checkbox"/> 3-hr credit choice | <input type="checkbox"/> MATH 2414 Calculus II (4) <input type="checkbox"/> PHYS 2425 Advanced Physics I (4) <input type="checkbox"/> * COSC 1337 Fundamentals of Programming II (3) <input type="checkbox"/> 3-hr credit choice <input type="checkbox"/> 3-hr credit choice |
| Total Semester = 14 | Total Semester = 17 |
| | |
| Summer | |
| <input type="checkbox"/> 3-hr credit choice <input type="checkbox"/> 3-hr credit choice | |
| Total Semester = 6 | |
| | |
| Fall 2nd Year | Spring 2nd Year |
| <input type="checkbox"/> MATH 2415 Calculus III (4) <input type="checkbox"/> PHYS 2426 Advanced Physics II (4) <input type="checkbox"/> * MATH 2318 Linear Algebra (3) <input type="checkbox"/> 3-hr credit choice <input type="checkbox"/> 3-hr credit choice | <input type="checkbox"/> MATH 2320 Differential Equations (3) <input type="checkbox"/> * PHYS 2389 Sci Computational Tech (3) <input type="checkbox"/> 3-hr credit choice <input type="checkbox"/> 3-hr credit choice <input type="checkbox"/> 3-hr credit choice |
| Total Semester = 17 | Total Semester = 15 |
| | |
| Total Required A.S. Mathematics = 60 Total Recommended Program for Transfer = 69 | |
| NOTE: These courses are only offered in the semester indicated. | |
| * Courses are not required for an A.S., but are either 1) required for a B.S. at a university, or 2) highly recommended to better prepare you for junior and senior year courses at the university. | |
| ** See advisor for alternate choice(s) for core complete. | |
| *** The prerequisite for Calculus I is Precalculus (MATH 2412) or the high school equivalent. Students who do not meet this prerequisite should take Precalculus (MATH 2412) before their first fall semester to be ready to begin their degree program. | |

| CORE CURRICULUM COURSES | |
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| 3-hr Credit Choice | |
| <input type="checkbox"/> ENGL 1301 English Composition I <input type="checkbox"/> GOVT 2305 Federal Government <input type="checkbox"/> GOVT 2306 Texas Government | Choose 2 from the following: <input type="checkbox"/> HIST 1301 United States History <input type="checkbox"/> HIST 1302 United States History II <input type="checkbox"/> HIST 2301 Texas History (3) |
| Choose 1 from the following: <input type="checkbox"/> SPCH 1315 Public Speaking <input type="checkbox"/> SPCH 1321 Business & Prof Comm | Choose 1 from the following: <input type="checkbox"/> ENGL 1302 English Composition II <input type="checkbox"/> ENGL 2311 Tech & Business Writing |
| Choose 1 from the following: <input type="checkbox"/> ECON 2301 Prin of Macroeconomics <input type="checkbox"/> ECON 2302 Prin of Microeconomics <input type="checkbox"/> PSYC 2301 Intro to Psychology <input type="checkbox"/> PSYC 2314 Human Growth & Dev <input type="checkbox"/> SOCI 1301 Introduction to Sociology | Choose 1 from the following: <input type="checkbox"/> ENGL 2322 British Literature I <input type="checkbox"/> ENGL 2323 British Literature II <input type="checkbox"/> ENGL 2327 American Literature I <input type="checkbox"/> ENGL 2328 American Literature II <input type="checkbox"/> ENGL 2332 World Literature I <input type="checkbox"/> ENGL 2333 World Literature II <input type="checkbox"/> HIST 2321 World Civilization I <input type="checkbox"/> HIST 2322 World Civilization II <input type="checkbox"/> HUMA 1301 Appr'n of Humanities I <input type="checkbox"/> HUMA 1302 Appr'n of Humanities II <input type="checkbox"/> PHIL 1301 Intro to Philosophy <input type="checkbox"/> PHIL 2306 Introduction to Ethics <input type="checkbox"/> SPAN 2311 Intermediate Spanish I |
| Choose 1 from the following: <input type="checkbox"/> ARTS 1301 Art Appreciation <input type="checkbox"/> ARTS 1303 Art History I <input type="checkbox"/> ARTS 1304 Art History II <input type="checkbox"/> DRAM 1310 Intro to Theatre I <input type="checkbox"/> DRAM 2361 Theatre History I <input type="checkbox"/> MUSC 1306 Music Appreciation | |
| The courses above are required for an A.S. | |