

Academic Map  
**Mathematics – Associate of Arts**

This is a recommended course of study for students who seek an Associate of Arts degree with a concentration in Mathematics or plan to pursue a baccalaureate degree in Mathematics at a four-year institution of higher education in Texas. Students planning to transfer to a four-year institution should confirm transferability of courses to meet degree requirements from the institution to which they plan to attend.

| <b>Courses</b>   |              |
|--|--------------|
| College Readiness Courses (if needed)                  |              |
| Pre-requisite may be required for MATH 2413 Calculus I |              |
| <b>Semester I</b>                                      | <b>Hours</b> |
| ENGL 1301 Composition I (Core 010)                     | 3            |
| MATH 2413 Calculus I (Core 020)                        | 4            |
| HIST 1301 U.S. History I (Core 060)                    | 3            |
| Social & Behavioral Science (Core 080)                 | 3            |
| Creative Arts (Core 050)                               | 3            |
| <b>Semester II</b>                                     |              |
| ENGL 1302 Composition II (Core 010)                    | 3            |
| HIST 1302 U.S. History II (Core 060)                   | 3            |
| MATH 2414 Calculus II (Core 090)                       | 4            |
| PHYS 2425 University Physics I (Core 030)              | 4            |
| <b>Semester III</b>                                    |              |
| MATH 2415 Calculus III*                                | 4            |
| GOVT 2305 Federal Government (Core 070)                | 3            |
| COSC 1436 Programming Fundamentals I*                  | 4            |
| Life & Physical Science with Lab (Core 030)            | 4            |
| <b>Semester IV</b>                                     |              |
| MATH 2320 Differential Equations*                      | 3            |
| Transfer Pathway Elective*                             | 3-4          |
| GOVT 2306 Texas Government (Core 070)                  | 3            |
| COSC 1437 Programming Fundamentals II*                 | 4            |
| Language, Philosophy, & Culture (Core 040)             | 3            |
| <b>60 Semester Credit Hours</b>                        |              |
| <b>*Transfer Pathway Electives</b>                     |              |
| MATH 2415 Calculus III                                 |              |
| MATH 2320 Differential Equations                       |              |
| COSC 1436 Programming Fundamentals I                   |              |
| COSC 1437 Programming Fundamentals II                  |              |

***Choose. Connect. Complete.***