

Academic Map
Engineering – Associate of Arts

This is a recommended course of study for students who seek an Associate of Arts degree with a concentration in Engineering or plan to pursue a baccalaureate degree in Engineering 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.

Courses	
College Readiness Courses (if needed)	
Pre-requisite may be required for MATH 2413 Calculus I	
Semester I	Hours
ENGL 1301 Composition I (Core 010)	3
MATH 2413 Calculus I (Core 020)	4
HIST 1301 U.S. History I (Core 060)	3
ENGR 1201 Introduction to Engineering*	2
CHEM 1411 General Chemistry I*	4
Semester II	
ENGL 1302 Composition II (Core 010)	3
MATH 2414 Calculus II (Core 090)	4
ENGR 2304 Programming for Engineers* or Transfer Pathway Elective*	3-4
HIST 1302 U.S. History II (Core 060)	3
PHYS 2425 University Physics I (Core 030)	4
Semester III	
Language, Philosophy, & Culture (Core 040)	3
GOVT 2305 Federal Government (Core 070)	3
MATH 2415 Calculus III* or Transfer Pathway Elective*	3-4
PHYS 2426 University Physics II (Core 030)	4
Transfer Pathway Elective*	3-4
Semester IV	
GOVT 2306 Texas Government (Core 070)	3
Social & Behavioral Science (Core 080)	3
Creative Arts (Core 050)	3
Transfer Pathway Elective*	3-4
60 Semester Credit Hours	
*Transfer Pathway Electives:	
CHEM 1411 General Chemistry I	ENGR 2301 Engineering Mechanics-Statics
CHEM 1412 General Chemistry II	ENGR 2302 Engineering Mechanics-Dynamics
CHEM 2423 Organic Chemistry I	ENGR 2304 Programming for Engineers
CHEM 2425 Organic Chemistry II	MATH 2320 Differential Equations
ENGR 1201 Introduction to Engineering	MATH 2415 Calculus III

Choose. Connect. Complete.