

PRE-ENGINEERING AA DEGREE, LIBERAL ARTS MAJOR

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Pre-Engineering provides a solid foundation to pursue a Bachelor's Degree in Engineering. Potential career paths for students in nuclear engineering, chemical engineering, and petroleum engineering.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (coursecatalog.tvcc.edu/degrees-certificates/academic-division/aa-multidisciplinary/)
- All required courses available online
- TSI (coursecatalog.tvcc.edu/admission-registration/testing/tsi-testing-requirements/): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
EDUC/PSYC-1300	Learning Framework	3
HIST-1301	United States History I	3
MATH-2413	Calculus I	4
	Hours	13
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
Language, Philosophy, & Culture		3
ECON-2301	Principles of Macroeconomics	3
Suggested Pathway Elective		4
	Hours	16
Term Three		
GOVT-2305	Federal Government (Fed Constitution & Topics)	3
PHYS-2425	University Physics I	4
Creative Arts		3
Component Area Requirement (CAO)		3
Suggested Pathway Elective		4
	Hours	17
Term Four		
GOVT-2306	Texas Government (Texas Constitution & Topics)	3
PHYS-2426	University Physics II	4
Suggested Pathway Elective		4
Suggested Pathway Elective		3
	Hours	14
	Total Hours	60

Pre-Engineering Pathway Electives

Code	Title	Hours
BIOL-1406	Biology for Science Majors I	4
CHEM-1411	General Chemistry I	4
CHEM-1412	General Chemistry II	4
CHEM-2423	Organic Chemistry I	4
CHEM-2425	Organic Chemistry II	4
MATH-2414	Calculus II	4
MATH-2415	Calculus III	4
MATH-2320	Differential Equations	3
MATH-2318	Linear Algebra	3

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.