

Pre-Engineering Associate in Science

Program Objective

The objective of the Pre-Engineering Associate in Science is to prepare students for transfer to a bachelor degree granting institution to major in engineering.

Requirements for Graduation

1. Sixty designated semester credit hours.
2. Grade of "C" or better required in all Major Field Requirement courses.
3. Grade Point Average of 2.0 or better.
4. Fifteen semester credit hours in attendance at SSC.
5. Completion of Graduate Exit Survey.

Please Note: Consult with advisor for specific transfer requirements. General Education and Major Field requirements vary between universities.

For Information Contact:

Science, Technology, Engineering, and Mathematics Division (405) 382-9266

Transfer Note: A statewide transfer agreement guarantees students transferring to an Oklahoma public four-year university **with an associate in arts or associate in science degree** the associate degree will satisfy all freshman and sophomore general education requirements at the four-year university.

General Education Requirements 34

GOV 1113	American National Government 3
HIST 1483	American History to 1877 or
HIST 1493	American History since 1877..... 3
ENG 1113	Composition I 3
ENG 1213	Composition II 3
SPCH 1143	Speech..... 3
HUM	Any class designated as Humanities 6
MATH	<i>met by program</i>
SCIENCE	One Life Science with lab 4
	<i>Physical Science met by program*</i>
CAP 1103	Introduction to Microsoft Office 3
HPER 1012	Wellness and Human Development or
	Two HPER Activity Courses 2
SOC 1101	Freshman Seminar (or STSC 1002) 1
ELECTIVE	Select from Psychology, Social Sciences, World Languages, and Fine Arts..... 3

Major Field Requirements 20

CS 2013	Programming in C++
ENGR 1113	Introduction to Engineering
MATH 2215	Calculus and Analytic Geometry I
MATH 2424	Calculus and Analytic Geometry II
PHYS 2114	General Physics I
PHYS 2211	Calculus Based Physics I

Major Field Electives and Support..... 8

Select from the following:

CHEM 1315	General Chemistry I
CHEM 1515	General Chemistry II
MATH 1513	Pre-Calculus
MATH 1613	Plane Trigonometry
MATH 2434	Calculus and Analytic Geometry III
MATH 2533	Differential Equations
PHYS 2224	General Physics II (recommended)
PHYS 2231	Calculus Based Physics II (recommended)

MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE 62

Suggested Sequence of Major Field Courses

<u>First Semester</u>	<u>Second Semester</u>	<u>Third Semester</u>	<u>Fourth Semester</u>
ENGR1113	CS 2013	PHYS 2114	PHYS 2224
MATH 1513	MATH 1613	PHYS 2211	PHYS 2231
		MATH 2215	MATH 2424