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

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		*met by program*	
SCIENCE		One Life Science with lab	4
		*Physical Science met by program**	
CAP	1103	Introduction to Microsoft Office	3
HPER	1012	Wellness and Human Development **or**	
		Two HPER Activity Courses	2
SOC	1101	Freshman Seminar (or SOC 1003)	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	College Algebra
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

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