Pre-Engineering Associate in Science

Degree Program Mentor

For additional information regarding this degree, contact the Degree Program Mentor.



Jarrod Tollett Assistant Professor 405-382-9217 j.tollett@sscok.edu Division Office: 405-382-9266

Program Objective

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

Requirements for Graduation

- 1. Sixty-three 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.

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** will satisfy all freshman and sophomore general education requirements at the four-year university.

		quirements		29
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		
HUM		Any class designated as Humanities		
MATH		met by program		
SCIEN	CE	One Life Science with lab	4	
		Physical Science met by program*		
HPER	1012	Wellness and Human Development or		
		Two HPER Activity Courses	2	
STSC	1002	Learning Strategies		
ELECT	IVE	Select from Psychology, Social		
		Sciences, World Languages, and Fine Arts	3	

Major Field Requirements...... 29

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	ENGR	1113	Introduction to Engineering
	MATH	2215	Calculus and Analytic Geometry I
	MATH	2424	Calculus and Analytic Geometry II
	MATH	2434	Calculus and Analytic Geometry III
	MATH	2533	Differential Equations
	PHYS	2114	General Physics I
	PHYS	2211	Calculus Based Physics I
	PHYS	2224	General Physics II
	PHYS	2231	Calculus Based Physics II

Major Field Electives and Support 5

Select from the follow	ing:
CHEM 1315	General Chemistry I
CS 2013	Programming in C++
MATH 1513	Pre-Calculus for Eng-Phys-CS
MATH 1613	Plane Trigonometry

Suggested Sequence of Major Field Courses

First Semester	Second Semester	Third Semester	Fourth Semester
ENGR 1113 (FA only)	CS 2013	PHYS 2114 (FA only)	PHYS 2224 (SP only)
MATH 1513	MATH 2215 (SP only)	PHYS 2211 (FA only)	PHYS 2231 (SP only)
MATH 1613		MATH 2424 (FA only)	MATH 2434 (SP only)
			MATH 2533 (sp only)



Pre-Engineering - Associate in Science

Degree Requirements Checklist

2020-21

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

GENERAL EDUCATION REQUIREMENTS 3 hrs. Psychology, Soc. Science, World Language Social Sciences 6 hrs. Social Sciences ANTH 1113 General Anthropology 6 hrs. Language Arts ANTH 1113 Drawing I 6 hrs. Leng 113 Composition I 9 hrs. HUM 1 HUM ART 1133 Composition I 1 ART 1133 Composition II DAT 1133 Composition I 1 ART 223 Watercolor I DAT 223 Watercolor I 1 ART 2123 Art History I ART 1133 Creative Writing 1 ART 123 Art History II ART 123 Art Appreciation 1 ART 223 Global Studies in Ant DAT 233 Sign Language 1 NKG 2433 Global Studies in Language Arts ART 1133 Creative Writigaton science 1 NKG 233 British Literature I SPAN 1125 Spanish I 1 NKG 233 British Literature I SPAN 1125 Spanish I 1 NKS 123 Music Appreciation I SPAN 1125 Spanish I 2 Hrs. <	ge or Eine Arts Elective
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34 hrs TUTAL REQUIRED MAJOR FIELD HOURS	
Required during first semester	
STSC 1002 Learning Strategies 63 hrs. MINIMUM TOTAL HOURS REQUIRED FOR	R ASSOCIATE DEGREE
	revised 9/2018
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