

**ADVISOR WORKSHEET**  
**ASSOCIATE SCIENCE - PRE-ENGINEERING**  
**EFFECTIVE FALL 2015 - SUMMER 2017**  
**Total Credit Requirements 63**

Student \_\_\_\_\_  
 Date \_\_\_\_\_  
 Advisor \_\_\_\_\_

GENERAL EDUCATION REQUIREMENTS		CRS	SEMESTER			YEAR	GR	COMMENTS
<b>Core I</b>	<b>Communications - 9 Credits</b>	<b>9</b>	<b>FA</b>	<b>SP</b>	<b>SU</b>			
COMX 111	Intro to Public Speaking (3)		FA	SP	SU			
WRIT 101	College Writing (3)		FA	SP	SU			
WRIT 201	Advanced College Writing (3)		FA	SP	SU			
<b>Core II</b>	<b>Mathematics and Science* - 12 Credits</b>	<b>12</b>						
M 171	Calculus I (4)		FA	SP	SU			
CHMY 141/142	College Chemistry 1 & Lab (4)		FA	SP	SU			
PHSX 220/221	Physics 1 & Lab (4)		FA	SP	SU			
<b>Core III</b>	<b>Arts and Humanities - 6 Credits</b>	<b>6</b>						
			FA	SP	SU			
			FA	SP	SU			
<b>Core IV</b>	<b>Social Sciences - 6 Credits</b>	<b>6</b>						
			FA	SP	SU			
			FA	SP	SU			
<b>Core V</b>	<b>Native American Studies - 3 Credits</b>	<b>3</b>						
			FA	SP	SU			
<b>Core VI</b>	<b>Computer Technology - 3 Credits</b>	<b>3</b>						
			FA	SP	SU			
<b>Core VII</b>	<b>Health - 3 Credits</b>	<b>3</b>						
			FA	SP	SU			
<b>Total General Education credits required for degree</b>		<b>42</b>						
<b>PROGRAM OF STUDY COURSES</b>		<b>CRS</b>	<b>SEMESTER</b>			<b>YEAR</b>	<b>GR</b>	<b>COMMENTS</b>
EGEN 101	Intro to Eng. Calculations & Prb Solving (F)	2	FA	SP	SU			
M 172	Calculus II (S)	4	FA	SP	SU			
M 273	Multivariable Calculus (F)	4	FA	SP	SU			
M 274	Intro to Differential Equations (S)	4	FA	SP	SU			
PHSX 222	Physics II (S)	3	FA	SP	SU			
PHSX 223	Physics II Lab (S)	1	FA	SP	SU			
<b>Total Program of Study credits required for degree.</b>		<b>21</b>						
<b>Total credits required for degree.</b>		<b>63</b>						

**Additional Required Courses Based on Degree Option\* (9-11 Crs)**

CSCI 112	Programming with C (?)	3	FA	SP	SU			
EELE 201	Circuits I for Engineering (F)	4	FA	SP	SU			
EGEN 201	Engineering Mechanics Statics (F)	3	FA	SP	SU			
EGEN 202	Engineering Mechanics Dynamics (S)	3	FA	SP	SU			

**Additional professional electives**

BIOB 160/161	Principles of Living Systems & Lab (F)		FA	SP	SU			
BIOB 170/171	Principles of Biological Diversity & Lab (F)		FA	SP	SU			
BIOH 201/202	Human Anatomy & Physiology I & Lab (F)	4	FA	SP	SU			
BIOH 211/212	Human Anatomy & Physiology II & Lab (S)	4	FA	SP	SU			