

Science/Mathematics-Engineering Science Option – A.S.

Associate in Science – A.S.

Effective Date: 7/1/19-6/30/20 | CATALOG: UG19

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
MATH113	Calculus I	4	<input type="checkbox"/>	
CHEM110	College Chemistry I	4	<input type="checkbox"/>	
COMS114	Intro. To Computer Science I	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER			17	

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
MATH213	Calculus III	4	<input type="checkbox"/>	
PHYS120	Physics I with Calculus	4	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
ENGS000	Option Elective	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER			14	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	
MATH114	Calculus II	4	<input type="checkbox"/>	
CHEM112	College Chemistry II	4	<input type="checkbox"/>	
ECON101	Macroeconomics	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			14	

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
PHYS121	Physics II with Calculus	4	<input type="checkbox"/>	
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
ENGS000	Option Elective	4	<input type="checkbox"/>	
ENGS000	Option Elective	4	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
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Humanities General Education courses (Recommended)			
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
GEOG105	Cultural Geography	3	<input type="checkbox"/>
POLS101	Introduction to Political Science	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Option Electives			
COMS115	Introduction to Computer Science II	3	<input type="checkbox"/>
COMS143	Advanced Programming in C++	3	<input type="checkbox"/>
COMS225	Computer Aided Design	3	<input type="checkbox"/>
COMS226	Computer Aided Design II	3	<input type="checkbox"/>
COMS239	Fundamentals of Computer Architecture	3	<input type="checkbox"/>
ELET105	Electronic Circuits	4	<input type="checkbox"/>
ENGR125	Numerical Methods for Engineers	3	<input type="checkbox"/>
ENGR220	Engineering Statics	3	<input type="checkbox"/>
ENGR222	Engineering Dynamics	3	<input type="checkbox"/>
MATH215	Linear Algebra	4	<input type="checkbox"/>
MATH220	Ordinary Differential Equations with Applications	4	<input type="checkbox"/>
PHYS205	Modern Physics	4	<input type="checkbox"/>
PHYS210	Mechanics	4	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.