

## CIVIL ENGINEERING - ASSOCIATE IN SCIENCE DEGREE

### SAMPLE SEQUENCE MAP

*This form is designed to be used in partnership with academic counselors. Modifications may be necessary to meet your goals. Seek assistance from an academic counselor each semester to stay on track to completion of major/certificate. There are 3 General Education patterns available. Not all courses on the map are offered every term. Consult the Catalog and the Schedule of Classes for more details*

0 – 15 UNITS		Pre- or co-reqs	Credit	GE
<b>Semester 1</b>	Area IA: English Composition: <i>ENGL 122 – First-Year College Composition and Reading</i>	Placement	3	IA
	Area IC: Mathematics Comprehension: <i>Required MATH 192 – Analytic Geometry and Calculus I</i>	Yes. Placement. See Catalog	5	IC
	Area IV: Social and Behavioral Sciences:		3	IV
	Area II: Natural Sciences: <i>Required CHEM 120 – General College Chemistry I</i>	Yes. Placement. See Catalog	5	II
	Total		16	

16 – 30 UNITS		Pre- or co-reqs	Credit	GE
<b>Semester 2</b>	Area IB: Communications and Analytical Thinking		3	IB
	ENGIN 110 – Introduction to Engineering		3	
	ENGIN 120 – Engineering Drawing		3	
	MATH 193 – Analytic Geometry and Calculus II	Yes. See Catalog	5	
	Area III : Arts and Humanities :		3	III
Total		17		

31 – 45 UNITS		Pre- or co-reqs	Credit	GE
<b>Semester 3</b>	PHYS 130 – Physics for Engineers and Scientists	Yes. See Catalog	4	
	ENGIN 230 - Introductions to Circuits and Devices	Yes. See Catalog	4	
	PHYS 230 – PHYICS for Engineers and Scientists B: Heat and Electro-magnetism	Yes. See Catalog	4	
	MATH 292 – Analytic Geometry and Calculus III	Yes. See Catalog	5	
	Total		17	

46 – 60 UNITS		Pre- or co-reqs	Credit	GE
<b>Semester 4</b>	ENGIN 240 – Properties of Engineering Materials	Yes. See Catalog	4	
	Major Applicable Elective: 3 Units from ENGIN Catalog	See Catalog	3	
	MATH 294 – Differential Equations	Yes. See Catalog	5	
	ENGIN 255 - Statics	Yes. See Catalog	3	
	Total		15	

**Program total: 60**

**Tentative Planned Course Offering:**

<u>FALL 2019</u>		<u>SPRING 2020</u>		<u>SUMMER 2020</u>	<u>FALL 2020</u>		<u>SPRING 2021</u>	
ENGIN 110	ENGIN 136	ENGIN 110	ENGIN 135	ENGIN110	ENGIN 110	ENGIN 140	ENGIN 110	ENGIN 136
ENGIN 120	ENGIN 240	ENGIN 120	ENGIN 136		ENGIN 120	ENGIN 240	ENGIN 120	ENGIN 210
ENGIN 130	ENGIN 255	ENGIN 121	ENGIN 210		ENGIN 130	ENGIN 255	ENGIN 121	ENGIN 230
ENGIN 131		ENGIN 130	ENGIN 230		ENGIN 131		ENGIN 130	ENGIN 240
ENGIN 135		ENGIN 131	ENGIN 240		ENGIN 135		ENGIN 131	ENGIN 257
			ENGIN 257		ENGIN 136		ENGIN 135	