



## 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
Semester 1	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
Semester 2	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
Semester 3	PHYS 130 – Physics for Engineers and Scientists	Yes, see catalog	4	
	ENGIN 230 - Introductions to Circuits and Devices	Yes, see catalog	4	
	PHYS 230 – PHYSICS 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
Semester 4	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**