

ASSOCIATE IN SCIENCE - ENGINEERING: CIVIL

SAMPLE SEQUENCE MAP

Suggested course sequence for full-time student 2018-2019 Catalog

	Course # and Title	Pre- or Co-req	Credits	GE
Semester 1	CHEM 120 – General College Chemistry I	AB 705	4	II
	ENGIN 110 – Introduction to Engineering		3	
	ENGL 122 – Freshman English	Placement or Pre-req	3	1A
	MATH 192 – Analytic Geometry and Calculus I	MATH 191	5	IB and IC
	ENGIN 130– Energy, Society, Environ <u>or</u> ENGIN 131 - Tech and Society		3	IV
		Total	18	

	Course # and Title	Pre- or Co-req	Credits	GE
Semester 2	ENGIN 140, <u>or</u> ENGIN 135, <u>or</u> ENGIN 136	Varies – See counselor	3-4	
	ENGIN 120 – Engineering Drawing		3	
	MATH 193 – Analytic Geometry and Calculus II	MATH 192	5	IB and IC
	PHYS 130 – Mechanics and Wave Motion	Pre-req: PHYS 120, Co-req: MATH 193	4	II
			Total	15-16

	Course # and Title	Pre- or Co-req	Credits	GE
Semester 3	ENGIN 240 – Properties of Engineering Materials	CHEM 120, PHYS 130	4	
	MATH 292 – Analytic Geometry and Calculus III	MATH 193	5	IC
	PHYS 230 – Heat and Electro-Magnetism	PHYS 130, MATH 292	4	II
		Total	13	

	Course # and Title	Pre- or Co-req	Credits	GE
Semester 4	ENGIN 230 – Introduction to Circuits and Devices	MATH 193, PHYS 230	4	
	Arts and Humanities Area		3	III
	MATH 294 – Differential Equations	MATH 292	5	IC
	ENGIN 255 - STATICS	PHYS 130, MATH 292	4	
			Total	16
		Program Total	62+	

Note:

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