



ENGINEERING: MECHANICAL 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/Co-req	Credits	GE
Semester 1	Area II: Natural Sciences: CHEM 120 – <i>Recommend General College Chemistry I</i>	Yes, see catalog	4	II
	ENGIN 110 – Introduction to Engineering		3	
	ENGIN 130 – Energy, Society and the Environment		3	
	Area IA: English Composition: ENGL 122 – <i>First-Year College Composition and Reading</i>	Placement	3	IA
	Area IC: Mathematics Comprehension: <i>Recommend MATH 192 – Analytic Geometry and Calculus I</i>	Placement	5	IC
Total			18	
16 – 30 UNITS		Pre/Co-req	Credits	GE
Semester 2	Degree Applicable Elective: <i>Recommend ENGIN 135 or 136 or 257</i>	Yes, see catalog	4	
	ENGIN 120 – Engineering Drawing		3	
	Area IB: Communications and Analytical Thinking: <i>Recommend MATH 193 -Analytic Geometry and Calculus II</i>	MATH 192	5	IB
	PHYS 130 – Mechanics and Wave Motion	Yes, see catalog	4	II
	Total			16
31 – 45 UNITS		Pre/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	Yes, see catalog	4	II
	Area III: Arts and Humanities		3	III
	Total			16
46 – 60 UNITS		Pre/Co-req	Credits	GE
Semester 4	ENGIN 255 – Statics	Yes, see catalog	3	
	ENGIN 230 – Introduction to Circuits and Devices	MATH 193, PHYS 230	4	
	MATH 294 – Differential Equations	MATH 292	5	IC
	Major Applicable Elective:	Yes, see catalog	4	
	Total			16

Program Total: 60