



MANUFACTURING CERTIFICATE TO STEM STUDIES A.S.

This is a suggested, full-time pathway. Not all courses are available in each semester. Students will develop a sequence of courses that best meets their needs in consultation with advisors and using the planning tools available.

SEMESTER MAP

	Semester 1	Semester 2	Semester 3	Semester 4
	INT-1050 Dimensions of Self & Society	MEC-1320 Manufacturing Technology	ENG-2135 Technical Writing & Research*	HUM-2010 Seminar in Educational Inquiry*
	MAT-XXXX (Any college level MAT course above MAT 1020)	MEC-2210 Fundamentals of CNC Operation	MEC-2350 Green Production (1 credit; optional)	INT-2820 Professional Field Experience
	MEC-1310 Principles of Manufacturing	MEC-2230 Intro to Robotics and Automation	<i>Natural Science (4-credit lab science)</i>	<i>Humanistic Perspective</i>
	MEC-1330 Fundamentals of Engineering and Design	MEC-2220 Parametric Solid Modeling	<i>Communication</i>	<i>Arts & Aesthetics</i>
	MEC-1030 Introduction to Sketching, Blueprint Reading, and GD&T	ENG-1061 English Composition	INT-1017 Creative and Critical Thinking	<i>STEM Elective (3-4 credits)</i>
			<i>Social Science</i>	
Semester Credits	15 credits	15 credits	15 credits	15-16 credits
Cumulative Credits	15 credits	30 credits	45 credits	60-61 credits

* Course has prerequisite. Prerequisite courses are included in semester map, please consult catalog for more information. Electives and general education choice courses are italicized.