



# ENGINEERING TECHNOLOGY: MACHINING FOR MECHANICAL ENGINEERING TECHNOLOGY 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.*

	Course # and Title	Pre-req/Co-req	Credits	GE
<b>Semester 1</b>	Area IC: Mathematics Comprehension: <i>Recommend MATH 119 or MATH 121 or MATH 191 or ENGTC 111 or MATH 192</i>	Yes, see catalog	3-5	IC
	ENGTC-119 Introduction to Technical Drawing		3	
	ENGTC-165 Machining and Manufacturing I		3	
	Area IA: English Composition: <i>ENGL 122 – First-Year College Composition and Reading</i>		3	IA
	Area IV: Social and Behavioral Sciences		3	IV
	<b>TOTAL</b>		<b>15-17</b>	

	Course # and Title	Pre-req/Co-req	Credits	GE
<b>Semester 2</b>	ENGTC-126 Computer Aided Design and Drafting AutoCAD		3	
	ENGTC-162 Geometric Dimensioning and Tolerancing		1	
	ENGTC-166 Machining and Manufacturing II	Yes, see catalog	3	
	Area IB: Communications and Analytical Thinking		3	IB
	Area III: Arts and Humanities		3-5	III
	<b>TOTAL</b>		<b>13-15</b>	

	Course # and Title	Pre-req/Co-req	Credits	GE
<b>Semester 3</b>	ENGTC-160 Introduction to Industrial and Manufacturing Engineering		3	
	ENGTC-129 Product Design I Using Solidworks		3	
	Area II: Natural Sciences		3-5	II
	Degree Applicable General Ed Elective to add to 60 credits	See counselor	6	
	<b>TOTAL</b>		<b>15-17</b>	

	Course # and Title	Pre-req/Co-req	Credits	GE
<b>Semester 4</b>	ENGTC 168 Intro to Computer Numerical Control		3	
	Degree Applicable General Ed Elective to add to 60 credits: <i>Recommend ENGTC 126 or ENGT 129 or ENGTC 226</i>	See counselor	3	
	Major Applicable Elective	See catalog	9	
	<b>TOTAL</b>		<b>15</b>	

**Program total      60**