

mTECH – INDUSTRIAL MAINTENANCE MACHINIST/MECHANIC 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: ENGL 122 – First-Year College Composition and Reading	Placement	3	IA
	Area IC: Mathematics Comprehension	Placement	3-5	IC
	Area IV: Social and Behavioral Sciences:		3	IV
	CONST 110 – Occupational Safety		2	
	ENGTC 119 Introduction to technical Drawing		3	
		Total	15	

16 – 30 UNITS		Pre- or co-reqs	Credit	GE
Semester 2	Area IB: Communications and Analytical Thinking		3	IB
	ELECT 110 – Survey of Electricity		2	
	ENGTC 165 – Machining and Manufacturing I		3	
	Major Applicable Elective: 0-5 Units from major section in catalog	See Catalog	0-5	
	Degree Applicable Elective		3	
		Total	15	

31 – 45 UNITS		Pre- or co-reqs	Credit	GE
Semester 3	Area III : Arts and Humanities :		3	III
	ENGTC 166 – Machining and Manufacturing II		3	
	ENGTC 175 - Hydraulic and Pneumatic Systems and Components		3	
	Degree Applicable Elective		6	
			Total	15

46 – 60 UNITS		Pre- or co-reqs	Credit	GE
Semester 4	ENGTC 176 – Mechanical Systems and Components		3	
	Area II: Natural Sciences:		3-5	II
	Degree Applicable Elective		7	
		Total	15	

Program total: 60

Tentative Planned Course Offering:

<u>FALL 2019</u>		<u>SPRING 2020</u>		<u>SUMMER 2020</u>	<u>FALL 2020</u>		<u>SPRING 2021</u>	
ENGTC 119	ENGTC 166	ENGTC 119	ENGTC 166		ENGTC 119	ENGTC 165	ENGTC 119	ENGTC 166
ENGTC 126	ENGTC 175	ENGTC 126	ENGTC 168		ENGTC 126	ENGTC 166	ENGTC 126	ENGTC 168
ENGTC 129	ENGTC 160	ENGTC 162	ENGTC 176		ENGTC 129		ENGTC 162	ENGTC 226