

MACHINING FOR MECHANICAL ENGINEERING TECHNOLOGY CERTIFICATE OF ACHIEVEMENT 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

	Courses	Pre- or co-reqs	Credit
Semester 1	ENGTC 119 – introduction to Technical Drawing		3
	ENGTC 129 – Product Design I – Using Solidworks		3
	Total		6

	Courses	Pre- or co-reqs	Credit
Semester 2	ENGTC 126 – Computer Aided Design and Drafting AutoCAD		3
	ENGTC 160 – Introduction to Industrial and Manufacturing Engineering		3
	ENGTC 165 – Machining and Manufacturing I		3
	Total		9

	Courses	Pre- or co-reqs	Credit
Semester 3	ENGTC 162 – Geometric Dimensioning and Tolerancing		1
	ENGTC 166- Machining and Manufacturing II		3
	Total		4

	Courses	Pre- or co-reqs	Credit
Semester 4	ENGTC 168 – Introduction to computer Numerical Control		3
	Major Applicable Elective: 3 Units from ENGTC Catalog	See Catalog	3-5
	Total		6-8

Program total: 25

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