



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	See counselor	3
	ENGTC 129 – Product Design I – Using Solidworks		3
		Total	6
Semester 2	Courses	Pre- or co-reqs	Credit
	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
Semester 3	Courses	Pre- or co-reqs	Credit
	ENGTC 162 – Geometric Dimensioning and Tolerancing		1
	ENGTC 166- Machining and Manufacturing II		3
		Total	4
Semester 4	Courses	Pre- or co-reqs	Credit
	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