

CURRICULUM DESCRIPTION

The Machining Technology curriculum is designed to develop skills in the theory and safe use of hand tools, power machinery, computerized equipment and sophisticated precision inspection instruments.

Students will learn to interpret blueprints, set up manual and CNC machines, perform basic and advanced machining operations and make decisions to insure that work quality is maintained.

Employment opportunities for machining technicians exist in manufacturing industries, public institutions, governmental agencies and in a wide range of specialty machining job shops.

MACHINING TECHNOLOGY DIPLOMA D50300

		<u>Lec/Lab/Crd</u>
Fall Semester		
MAC 111	Machining Technology I	2 12 6
BPR 111	Blueprint Reading	1 2 2
PHY 110	Conceptual Physics	3 0 3
PHY 110A	Conceptual Physics Lab	<u>0</u> <u>2</u> <u>1</u>
		6 16 12
Spring Semester		
MAC 112	Machining Technology II	2 12 6
MAC 151	Machine Calculations	<u>1</u> <u>2</u> <u>2</u>
		3 14 8
Summer Semester		
MAC 113	Machining Technology III	2 12 6
MEC 231	Computer-Aided Manufacturing	<u>1</u> <u>4</u> <u>3</u>
		3 16 9
Fall Semester		
MAC 214	Machining Technology IV	2 12 6
MAC 122	CNC Tuning	1 3 2
ENG 101	App. Comm. I (or ENG 111)	<u>3</u> <u>0</u> <u>3</u>
		6 15 11
Spring Semester		
MAC 215	Machining Technology V	2 12 6
MAC 124	CNC Milling	<u>1</u> <u>3</u> <u>2</u>
		3 15 8
Total Credit Hours		48

MACHINING TECHNOLOGY CERTIFICATE C50300

		<u>Lec/Lab/Crd</u>
Fall Semester		
MAC 111	Machining Tech I	2 12 6
Spring Semester		
MAC 112	Machining Tech II	2 12 6
Summer Semester		
MAC 113	Machining Tech III	2 12 6
Total Credit Hours		18