

Central Carolina Community College
Program Planning Guide

Machining Technology

Credential: Certificate in Machining Technology
C50300

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 Computer Numerical Controllers (CNC) machines, perform basic 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.

Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science in Machining Technology with a Concentration in Tool, Die and Mold Making (Higher entrance standards required); Diploma in Machining Technology (Higher entrance standards required); Certificate in Machining Technology

Program Sites:

Lee Campus - Evening Program

Harnett Campus - Evening Program

Suggested Course Schedule:	HOURS			Grade	Semester	Notes
	Class	Lab	Credit			
1st Semester (Fall)						
BPR 111	Blueprint Reading	1	2	2		
ISC 110	Workplace Safety	1	0	1		
MAC 111A	Machining Technology IA	1	6	3		
MAC 121	Introduction to CNC	2	0	2		
MEC 141	Intro to Manufacturing Processes	2	2	3		
		7	10	11		
2nd Semester (Spring)						
BPR 121	Blueprint Reading: Mechanical	1	2	2		
MAC 111B	Machining Technology IB	1	6	3		

Total Semester Hours Credit: 16