



**Career and Technical Education Pathway
Engineering and Applied Technology
Computer Technologies**

Computer-Integrated Machining Certificate

The Computer-Integrated Machining certificate is designed to introduce basic CAD/CAM programming skills to students who want to learn CNC Machining in and Advanced Manufacturing field. Students will learn 2D and 3D programming as well as 2 axis and 3 axis machining, making the parts they design.

CORE COURSES			
Course Prefix/Num	Course Title		
BPR 111	Blueprint Reading I	2	SHC
MAC 121	Introduction to CNC	2	SHC
MAC 141	Machining Applications I	4	SHC
MAC 142	Machining Applications II	4	SHC
Total Semester Hours of Credit (SHC) for Core Courses:		12	SHC
OTHER MAJOR COURSES			
Course Prefix/Num	Course Title		
MAC 151	Machining Calculations	2	SHC
MEC 110	Intro to CAD/CAM	2	SHC
Total SHC for Other Major Courses:		4	SHC
Total SHC for Program		16	

Estimated Costs:

Textbooks: \$150 per semester

Materials: \$30-95 a semester