

Machine Shop

Associate in Occupational Technology Degree (AOT)

At a Glance

The Machine Shop program provides students with opportunities to explore and learn a highly skilled and valuable trade. Acquiring the knowledge and skills for precision machining opens a wealth of opportunities throughout the world in such areas as production machinists, tool and die

CNC 215	Quality Control and Assurance	3
CNC 218	Programming and Set-up for Electrical Discharge Machining	6
CNC 221	Advanced Blueprint Reading for Machinists.....	3
CNC 223	Computer Numerical Control Graphics Programming: Milling.....	3
CNC 230	Computer Numerical Control Special Projects.....	3
CNC 232	Basic Tool and Die.....	4
CNC 235	Basic Die Construction	5
CNC 281	Special Topics in Computerized Numerical Control (Heat Treatment)	3
	Total Machine Shop Technology Minor Credit	13
Total Credit Hours		72

**Machine Shop
Certificate (CER)**

While pursuing the Machine Shop AOT degree and upon successful completion of the courses identified below, the stackable Machine Shop Certificate will be awarded to students.

		CREDITS
CIS 146	Microcomputer Applications	3
ENG 131	Applied Writing I OR Higher level	3
MTH 116		

While pursuing the Machine Shop AOT degree and upon successful completion of the courses identified below, the stackable Basic Machine Operation Short-Term Certificate will be awarded to students.

MSP 102	Intermediate Machining Technology	5
MSP 104	Basic Machining Calculations	2
MSP 111	Introduction to Computer Numerical Control (CNC 111).....	2
MSP 121	Basic Blueprint Reading for Machinists	2
MSP 125	Introduction to Machining Technology	3
Total Credit Hours.....		14

Basic Machinist
Short-Term Certificate (STC)

While pursuing the Machine Shop AOT degree and upon successful completion of the courses identified below,

CNC Specialist
Short-Term