

Entry: Fall, Spring

Catalog: 2023-2024

- Associate of Applied Science (AAS) 99 Credits**

FIRST QUARTER

COURSE	TITLE	CR
MACH150	Meas., Materials & Safety	5
MACH155	Job Planning, Bench & Layout	5
MACH160	Conventional Machining	5
GENED	MATH or ENGL	5

TOTAL CREDITS 20

SECOND QUARTER

COURSE	TITLE	CR
CNCM127	Blueprint Reading GD&T	5
MACH120	Machine Shop Math II (RI)	5
MACH166	Conventional Turning	3
MACH167	Conventional Milling	3
MACH168	Surface Grinding	3

TOTAL CREDITS 19

THIRD QUARTER

COURSE	TITLE	CR
CNCM113	CNC Programming	4
CNCM126	CNC Mill/ Lathe Ops. Set up	5
MACH117	Measurement Applications	5
GENED	MATH or ENGL	5

TOTAL CREDITS 19

FOURTH QUARTER

COURSE	TITLE	CR
CNCM114	CNC Troubleshooting	3
CNCM203	CNC Mill II	5
CNCM211	CNC Lathe II	5
GENED	MATH or ENGL or HUM/SCI	5

TOTAL CREDITS 18

FIFTH QUARTER

COURSE	TITLE	CR
MACH142	Adv. Machine Shop Appls.	8
MACH215	Comp.-Aided Mfg. CAM I	5
MACH218	CMM Programming	5
	<i>Choose: (MACH142 or WSBAS101)</i>	
WBAS101	Weld Basics (1 st or 2 nd 1/2 qtr.)	8

TOTAL CREDITS 18

SIXTH QUARTER

COURSE	TITLE	CR
MACH224	CAM II	5
MACH232	Advanced CNC Machining	5
ELECTIVE	MACH292 and/or MACH293	1 to 5
GENED	<i>If not already completed</i>	0 or 5

TOTAL CREDITS 11-20

- Certificate of Training – Toolmaking (CoT) 15 Credits**

COURSE	TITLE	CR
MACH150	Meas., Materials & Safety	5
MACH155	Job Planning, Bench & Layout	5
MACH160	Conventional Machining	5

TOTAL CREDITS 15

- Certificate of Training – CNC Operator (CoT) 14 Credits**

COURSE	TITLE	CR
CNCM113	CNC Programming	4
CNCM126	CNC Mill/ Lathe Ops. Set up	5
MACH117	Measurement Applications	5

TOTAL CREDITS 14