



# PATHWAYS



**YOUR MAP TO  
COMPLETION for  
2026-2027**

## Machine Tool Technology - CNC

Associate in Applied Science / Short-Term Certificate

Full Time	Course Prefix	Course Description	Credit Hours	Semesters Offered	Area
Semester 1	ORI 110	Freshman Seminar	1	Fa Sp Su	IV
	ENG 101	English Composition I	3	Fa Sp Su	I
	MTT 121	Basic Print Reading for Machinists	3	Fa Sp Su	V
	MTT 127	Metrology	3	Fa Sp Su	V
	MTT 147	Introduction to Machine Shop I	3	Fa Sp Su	V
	MTT 148	Introduction to Machine Shop I Lab	3	Fa Sp Su	V
Semester 2	IDS 102*	Ethics	3	Fa Sp Su	II
	MTT 107	Machining Calculations	3	Fa Sp Su	V
	MTT 149	Introduction to Machine Shop II	3	Fa Sp Su	V
	MTT 150	Introduction to Machine Shop II Lab	3	Fa Sp Su	V
	MTT 171	Intermediate Blueprint Reading for Machinists	3	Fa Sp Su	V
Semester 3	MTH 103*	Technical Math	3	Fa Sp Su	III
	CNC 112	CNC Turning	3	Fa Sp Su	V
	CNC 113	CNC Milling	3	Fa Sp Su	V
	CNC 120	Basic Set-up for CNC Machines	3	Fa Sp Su	V
	CNC 221	Advanced Blueprint Reading for Machinist	3	Fa Sp Su	V
Semester 4	HIS 201*	United States History I	3	Fa Sp Su	IV
	CNC 215	Quality Control & Assurances	3	Fa Sp Su	V
	CNC 220	Intermediate Set-up for CNC Machines	3	Fa Sp Su	V
	CNC 222	CNC Graphics: Turning	3	Fa Sp Su	V
	CNC 223	CNC Graphics: Milling	3	Fa Sp Su	V
Semester 5	CIS 146*	Computer Applications	3	Fa Sp Su	III
	CNC 224	Multi Axis Turing, Programming, and Set-up	3	Fa Sp Su	V
	CNC 225	Multi Axis Milling, Programming and Set up	3	Fa Sp Su	V
	CNC 226	CNC Automation	3	Fa Sp Su	V
	CNC 227	CNC Additive Manufacturing	3	Fa Sp Su	V

Machine Tool Technology-CNC AAS TOTAL HOURS 76

Level I Machine Tool Technology Short-Term Certificate TOTAL HOURS 24

Computer Numerical Control Short-Term Certificate TOTAL HOURS 24

CNC Advanced Short-Term Certificate TOTAL HOURS 12

\* May be substituted per Machine Tool instructor's approval

**WALLACE STATE**  
HANCEVILLE • ONEONTA