



PATHWAYS



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

Machine Tool Technology – Tool & Die Repair

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 156	Jig & Fixture Construction Principles	3	Fa Sp Su	V
	CNC 158	Die Fundamentals	3	Fa Sp Su	V
	CNC 164	Trim Steel Welding & Grinding	3	Fa Sp Su	V
	CNC 221	Advanced Blueprint Reading for Machinists	3	Fa Sp Su	V
Semester 4	HIS 201*	United States History I	3	Fa Sp Su	IV
	CNC 153	Pads, Pressures & Auxiliary Die Components	3	Fa Sp Su	V
	CNC 154	Metallurgy	3	Fa Sp Su	V
	CNC 160	Die Construction & Tryout	3	Fa Sp Su	V
	CNC 161	Die Maintenance and Repair	3	Fa Sp Su	V
Semester 5	CIS 146*	Computer Applications	3	Fa Sp Su	III
	CNC 162	Precision Grinding	3	Fa Sp Su	V
	CNC 165	Root Cause Analysis in Die Repair	2	Fa Sp Su	V
	CNC 215	Quality Control & Assurance	3	Fa Sp Su	V
	CNC 261	Intermediate Die Maintenance & Repair	4	Fa Sp Su	V
Machine Tool Technology-Tool & Die Repair AAS TOTAL HOURS 76					
Level 1 Machine Tool Technology Short-Term Certificate TOTAL HOURS 24					
Tool & Die Repair Short-Term Certificate TOTAL HOURS 24					

* May be substituted per Machine Tool instructor's approval

WALLACE STATE
HANCEVILLE • ONEONTA