



PATHWAYS



**YOUR MAP TO
COMPLETION**

Machine Tool Technology- Tool & Die Repair

Associate in Applied Science Option IV / Short-Term Certificate

Full Time	Course Prefix	Course Description	Credit Hours	Semesters Offered	Area
Semester 1	MTT 107	Machining Calculations I	3	Fa Sp Su	Required V
	MTT 121	Basic Print Reading	3	Fa Sp Su	Required V
	MTT 147	Intro to Machine Shop I	3	Fa Sp Su	Required V
	MTT 148	Intro to Machine Shop Lab I	3	Fa Sp Su	Required V
	ENG 101	English Composition I	3	Fa Sp Su	Required I
	ORI 110	Freshman Seminar	1	Fa Sp Su	Required IV
Semester 2	MTT 127	Metrology	3	Fa Sp Su	Required V
	MTT 134	Lathe Operations I	3	Fa Sp Su	Required V
	MTT 135	Lathe Operations Lab I	3	Fa Sp Su	Required V
	MTT 171	Intermediate Blueprint Reading	3	Fa Sp Su	Required V
	IDS 102	Ethics	3	Fa Sp Su	Required II
Semester 3	CNC 156	Jig & Fixture Construction	3	Fa Sp Su	Required V
	CNC 164	Trim Steel Welding & Grinding	3	Fa Sp Su	Required V
	MTT 221	Advanced Blue Print Reading	3	Fa Sp Su	Required V
	CNC 158	Die Fundamentals	3	Fa Sp Su	Required V
	MTH 103	Technical Math	3	Fa Sp Su	Required III
Semester 4	CNC 154	Metallurgy	3	Fa Sp Su	Required V
	CNC 153	Pads, Pressures & Auxiliary Die Component	3	Fa Sp Su	Required V
	CNC 160	Die Construction & Tryout	3	Fa Sp Su	Required V
	CNC 161	Die Maintenance	3	Fa Sp Su	Required V
	HIS 201	United States History I	3	Fa Sp Su	Required IV
Semester 5	CNC 162	Precision Grinding	3	Fa Sp Su	Required V
	CNC 165	Root Cause Analysis in Die Repair	2	Fa Sp Su	Required V
	CNC 215	Quality Control & Assurance	3	Fa Sp Su	Required V
	CNC 261	Intermediate Die Maintenance & Repair	4	Fa Sp Su	Required V
	CIS 146	Microcomputer Applications	3	Fa Sp Su	Required III
Machine Tool Technology – Tool & Die Repair AAS Total Hours 76					
Level I Machine Tool Technology Short-Term Certificate Total Hours 24					
Tool & Die Repair Short-Term Certificate Total Hours 24					

*May be substituted per advisor's approval

For Assistance with Financial Aid: <http://www.wallacestate.edu/financial-aid>

For transfer information to a four-year school: <http://stars.troy.edu/>

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April 6, 2022