



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	Interm. 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	Adv. 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 Comps.	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

Wage Progression for Machine Tool Technology**

Level 1 MTT Short-Term Certificate
CNC Machinist/
Operator
\$19.23/hr
(\$40,000/year)



Tool & Die Repair
Short-Term Certificate
Die Repair Technician
\$26.44/hr
(\$55,000/year)



Associate Degree
Tool & Die
Maker/Tooling
Specialist
\$33.65/hr
(\$70,000/year)

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

**Salary projections are estimates based on available data and are not guarantees of future earnings. Actual salaries may vary based on location, employer, experience, education, and market conditions.

* May be substituted per Machine Tool instructor's approval

For transfer information to a four-year school: <https://alabamatransfers.com/>