

Machine Tool Technology - Tool & Die Repair

Program: Machine Tool Technology

OPTION III - AAS MACHINE TOOL TECHNOLOGY - TOOL & DIE REPAIR - Guided Pathway/Map

1st Semester

Item #	Title	Credits
MTT 127	Metrology	3
MTT 121	Basic Print Reading for Machinists	3
MTT 147	Introduction to Machine Shop I	3
MTT 148	Introduction to Machine Shop I Lab	3
ENG 101	English Composition I	3
ORI 110	Freshman Seminar	1
	Sub-Total Credits	16

2nd Semester

Item #	Title	Credits
MTT 107	Machining Calculations I	3
MTT 134	Lathe Operations I	3
MTT 135	Lathe Operations I Lab	3
MTT 171	Intermediate Blueprint Reading for Machinists	3
IDS 102	Ethics	3
	Sub-Total Credits	15

3rd Semester

Item #	Title	Credits
CNC 156	Jig and Fixture Construction Principles	3
CNC 164	Trim Steel Welding & Grinding	3
CNC 158	Die Fundamentals	3
MTT 221	Advanced Blueprint Reading for Machinists	3
MTH 103	Introduction to Technical Mathematics	3
	Sub-Total Credits	15

4th Semester

Item #	Title	Credits
CNC 153	Pads, Pressures, and Auxiliary Die Components	3
CNC 154	Metallurgy	3
CNC 160	Die Construction and Tryout	3
CNC 161	Die Maintenance and Repair	3
HIS 201	United States History I	3
	Sub-Total Credits	15

5th Semester

Item #	Title	Credits
CNC 162	Precision Grinding	3
CNC 165	Root Cause Analysis in Die Repair	2
CNC 215	Quality Control and Assurance	3
CNC 261	Intermediate Die Maintenance & Repair	4
CIS 146	Computer Applications	3
	Sub-Total Credits	15
	Total credits:	76