



**Welding Technology Degree– 20609**  
Recommended Course Sequencing – 2020-2021

Course	Requirement Filled	Cr	Notes
<b>Fall - 1st Semester</b>			
AMT 102 Materials for Industry	Core Curriculum	3	Fall only
AMT 104 Machining and Fabrication <b>OR</b> AMT 101 Fundamentals of Machining	Core Curriculum	2-3	AMT 104 (3 cr.) - Spring only AMT 101 (2 cr.) - Fall only
AMT 110 Introduction to Fab Lab Technology	Curriculum Related Option	2	Fall/Spring offered
MAT 100 Applied Mathematics	GE - Math	4	Fall/Spring offered
TEC 133 Safety Practices for Industry	Core Curriculum	1	Fall only
WLD 101 Welding	Core Curriculum	3	Fall/Spring offered
WLD 108 Welding and Metal Fabrication	Core Curriculum	3	Fall offered
<b>Total Hours</b>		18-19	
<b>Spring - 2nd Semester</b>			
CMP 101 Introduction to Computers <b>OR</b> CMP 103 Introduction to Computer Based Systems	GE - Computer Literacy	3	Fall/Spring offered
DRF 150 Dimensioning and Tolerancing	Core Curriculum	1	Spring only
DRF 154 Introduction to AutoCAD	Curriculum Related Option	2-3	Only offered 2 cr. in Spring
TEC 112 Basic Hydraulics and Pneumatics	Curriculum Related Option	2	Spring only
WLD 211 Pipe Welding	Core Curriculum	3	Prerequisite: WLD 101 or WLD 108 or Instructor approval Spring only
WLD 260 Flux Cored Arc and Gas Metal Arc Welding	Core Curriculum	3	Prerequisite: WLD 101 or WLD 108 or Instructor approval Spring only
WLD 270 Technical Welding	Core Curriculum	3	Prerequisite: WLD 101 or WLD 108 or Instructor approval Spring only
<b>Total Hours</b>		17-18	
<b>Fall - 3rd Semester</b>			
AUT 101 Introduction to Automotive Technology <b>OR</b> AUT 180 Automotive Service Techniques	Curriculum Related Option	2-4	Upon Request
ELT 110 Electricity and Electronics	Curriculum Related Option	3	Fall only
ENG 100 Writing Fundamentals	GE English	3	Prerequisite: ENG 055 with a grade of "C" or higher or placement test score as established by District policy and concurrent enrollment in ENG 099 required Fall/Spring offered
SBM 110 Introduction to Entrepreneurship <b>OR</b> Elective	Curriculum Related Option <b>OR</b> Elective	3	SBM = Fall only. It is suggested that students take Curriculum Related class such as SMB 110 if NOT transferring to a University. If transferring choose from GE course to fulfill Elective

DRF 271 Advanced AutoCAD <b>OR</b> Elective	Curriculum Related Option <b>OR</b> Elective	2-3	DRF 154 is a prerequisite for DRF 271 It is suggested that students take Curriculum Related class such as DRF 271 if NOT transferring to a University. If transferring choose from GE course to fulfill Elective.
WLD 201 Repair Welding and Fabrication	Core Curriculum	3	Prerequisite: WLD 101 or WLD 108 or Instructor approval Fall only
<b>Total Hours</b>		16-19	

### Spring - 4th Semester

AMT 220 Advanced Manufacturing Methods	Curriculum Related Option	4	AMT 110 or Instructor approval
COE 111 Cooperative Education I (Occupational)	Curriculum Related Option	1	Fall/Spring offered
General Education	GE	3	Must be from approved list
General Education	GE	3	Must be from approved list
General Education	GE	3	Must be from approved list
WLD 290 Weld Certification	Core Curriculum	1	Prerequisite: WLD 260 or WLD 270 or concurrent enrollment in WLD 260 or WLD 270 or instructor approval Spring offered
<b>Total Hours</b>		15	

<b>Total Hours</b>	64
Total Curriculum Requirements (Core)	26-27
Total Related Curriculum	13-14
Total General Education	18
Total Elective	6

**Notes:** <sup>1</sup>The foregoing is a recommended, or suggested, sequence of courses. Of course, if a student enters the program in the spring, or transfers credit in, the above would have to be modified.

**All courses must be completed with a grade of "C" or better--Be sure to check the catalog for other changes and requirements.**