

WELDING TECHNOLOGY AAS DEGREE 20609

Course	Requirement Field	Credits	Notes
Fall - 1st Semester			
AMT 101 Fundamentals of Machining	Curriculum Required	2	Fall only
AMT 102 Materials for Industry	Curriculum Required	3	Fall only
AMT 110 Introduction to Fab Lab Technology	Curriculum Related	2	Fall/Spring offered
MAT 100 Applied Mathematics	GE - Math	4	Fall/Spring offered
TEC 133 Safety Practices for Industry	Curriculum Required	1	Fall only
WLD 101 Welding	Curriculum Required	3	Fall/Spring offered
WLD 108 Welding and Metal Fabrication	Curriculum Required	3	Fall offered
Total Hours		18	
Spring - 2nd Semester			
CMP 101 Introduction to Computers OR CMP 103 Introduction to Computer Based Systems	GE - Computer Literacy	3	Fall/Spring offered
DRF 150 Dimensioning and Tolerancing	Curriculum Required	2	Spring only
DRF 154 Introduction to AutoCAD	Curriculum Required	2 to 3	Fall/Spring offered.2 cr. in Spring
General Education	GE	3	
WLD 211 Pipe Welding	Curriculum Required	3	Prerequisite: WLD 101 or WLD 108 or Instructor approval Spring only
WLD 260 Flux Cored Arc and Gas Metal Arc Welding	Curriculum Required	3	Prerequisite: WLD 101 or WLD 108 or Instructor approval Spring only
WLD 270 Technical Welding	Curriculum Required	3	Prerequisite: WLD 101 or WLD 108 or Instructor approval Spring only
Total Hours		19-20	
Fall - 3rd Semester			
AUT 101 Introduction to Automotive Technology OR AUT 180 Automotive Service Techniques	Curriculum Related	2 to 4	Fall / Spring
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
Elective	Elective	3	
TEC 112 Basic Hydraulics and Pneumatics	Curriculum Related	2	Fall Only
WLD 201 Repair Welding and Fabrication	Curriculum Related	3	Prerequisite: WLD 101 or WLD 108 or Instructor approval Fall only
Total Hours		13-15	
Spring - 4th Semester			
Choose from list of Curriculum Related	Curriculum Related	4	
Elective	Elective	3	
General Education	GE	3	Must be from approved list
General Education	GE	2	Must be from approved list
WLD 290 Welding Certification	Curriculum Required	1	Prerequisite: WLD 260 or WLD 270 or concurrent enrollment in WLD 260 or WLD 270 or instructor approval Spring offered
Total Hours		13	
Total Hours			64
Total Curriculum Required			29-30
Total Curriculum Related			10-11
Total General Education			18
Total Elective			6

Notes: The foregoing is a recommended, or suggested, sequence of courses. 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.

Curriculum Related Requirements

AMT 104	Machining and Fabrication	3 credits
AMT 110	Introduction to Fab Lab Technology	2 credits
AMT 220	Advanced Manufacturing Methods	4 credits
AUT 101	Introduction to Automotive Technology <u>OR</u>	
AUT 180	Automotive Service Techniques	2 to 4 credits
AUT 105	Automotive Electrical Fundamentals <u>OR</u>	
ELT 110	Electricity and Electronics	2 to 3 credits
COE 111	Cooperative Education I (Occupational)	1 to 4 credits
DRF 220	Parametric Solid Modeling	3 credits
DRF 271	Advanced AutoCAD	2 to 3 credits
SBM 110	Introduction to Entrepreneurship	3 credits
SBM 121	Supervision	3 credits
SBM 231	Business Planning	1 credit
TEC 112	Basic Hydraulics and Pneumatics	2 credits
WLD 280	Advanced Arc Welding	3 credits
Total Curriculum Related Requirements		10-11 credits