

Welding Technology Diploma Semester Plan Combination Welder

FIRST YEAR COURSE SCHEDULE						
✓	First Semester	Credits		✓	Second Semester	Credits
	WLD 120 Shielded Metal Arc Welding (SMAW)	2			^WLD 110 Cutting Processes	2
	WLD 121 Shielded Metal Arc Welding Fillet Lab	3			^WLD 111 Cutting Processes Lab	3
	WLD 140 Gas Metal Arc Welding (GMAW)	2			WLD 170 Blueprint Reading for Welding	2
	WLD 141 Gas Metal Arc Welding fillet Lab	3			WLD 171 Blueprint Reading for Welding Lab	3
	WLD 143 Gas Metal Arc Groove Lab	3			WLD 130 Gas Tungsten Arc Welding (GTAW)	2
	^WLD 123 Shielded Metal Arc Welding Groove w/ Backing Lab	3			WLD 131 Gas Tungsten Arc Welding Fillet Lab	3
Total Credit Hours		16		Total Credit Hours		15

SECOND YEAR COURSE SCHEDULE						
✓	Third Semester	Credits		✓	Fourth Semester	Credits
	WLD 133 Gas Tungsten Arc Welding Grove Lab	3			WLD 220 Welding Certification	2
	^ENG 101 Writing I	3			WLD 221 Welding Certification Lab	3
	Computer/Digital Literacy Course ¹	3			^WLD 298 Welding Practicum	1
	Technical Elective*	2-3			^MAT 110 Applied Mathematics or higher	3
Total Credit Hours		11-12		Total Credit Hours		8
Total Credit Hours for Diploma				Total Credit Hours for Diploma		47-55

Completion of Diploma or Additional Requirements for AAS/GOTS Degree			
General Education Component	Credits	Technical Component	
Quantitative Reasoning	3	*Technical Component	
Natural Sciences	3	**Technical Courses	39-46
Social/Behavioral Sciences	3	Technical Electives	3
Heritage/Humanities	3	Subtotal	42-49
Written Communication	3	**Total Credits (including Gen Ed)	60-68
Subtotal	15	Note: *Please refer to course catalog for complete listing of required Technical courses **The student must have a plan of study on file in the academic affairs office. ***A combination of general education and technical courses should not exceed 68 credits.	

Note: Credit earned through certificate and diploma program/completion will be applicable toward the Associate of Applied Science in General Occupational/Technical Studies degree when consistent with the objectives of the student's individual plan of study.

^ Indicates Possible Course Substitution

Course Substitutions for Diploma

^WLD 225 may be substituted for WLD 123

^WLD 299 may be substituted for WLD 298

^WLD 100/101 may be substituted for WLD 110-111

^MAT 116, 146, or 150 may be substituted for MAT 110

^ENG 101 may be substituted for TEC 200

***Elective Requirements for Diploma: A minimum of 2 credit hours from the Welding Technology Elective List. Please note: AAS/GOTS degree requires a minimum of 3 credit hours from the welding Technology Elective List.**

Welding Technical Elective List

WLD 151 Basic Welding A.....	2
WLD 145 GMAW Aluminum Lab.....	1
WLD 147 Flux Core Arc Welding Lab.....	1
WLD 225 SMAW Open Groove Lab.....	3
*WLD 227 SMAW Pipe Lab A.....	3
WLD 229 SMAW Pipe Lab B.....	3
*WLD 235 GTAW Pipe Lab A.....	3
WLD 237 GTAW Pipe Lab B.....	3
*WLD 245 GMAW Pipe Lab A.....	3
WLD 247 GMAW Pipe Lab B.....	3
WLD 253 Pipe Fitting and Template Dev. Lab....	1

***Indicates courses required for certificates**

Students must achieve a minimum grade of "C" in each technical course.

¹ Computer/Digital Literacy course OR demonstrated competency must be met to fulfill requirements for Diploma. Please see your advisor for approved courses and/or testing information.