



Welding Technology Diploma Semester Plan Combination Welder

FIRST YEAR COURSE SCHEDULE				
	Fall Semester	Credits		
WLD 120 – Shielded Metal Arc Welding		2	^WLD 110-Cutting Processes	
WLD 120 – Shielded Metal Arc Welding Fillet Lab		3	^WLD 111-Cutting Processes Lab	
WLD 140-Gas Metal Arc Welding		2	WLD 170-Blueprint Reading and Welding	
WLD 141-Gas Metal Arc Groove Fillet Lab		3	WLD 171-Blueprint Reading and Welding Lab	
WLD 143-Gas Metal Arc Groove Lab		3	WLD 130-Gas Tungsten Arc Welding	
WLD 123-Shielded Metal Arc Welding Groove w/Backing Lab		3	WLD 131-Gas Tungsten Arc Welding Fillet Lab	
Total Credit Hours		16	Total Credit Hours 15	

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

Completion of Diploma or Additional Requirements for AAS/GOTS Degree			
General Education Requirements for AAS General Occupational & Technical Studies Degree			
Credit earned through certificate and diploma completion will be applicable toward the Associate in Applied Science in General Occupation/Technical Studies degree when consistent with the objectives of the student's individual plan of study.			
General Education Component	Credits	Technical Component	Credits
Quantitative Reasoning	3	Technical Core**	39-46
Natural Sciences	3	Electives	3
Social/Behavioral Sciences	3	Subtotal	42-49
Heritage/Humanities	3	Total Credits for Degree (Including General Ed.) 60-68	
Written Communications	3	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.	
Subtotal	15		

¹Computer/Digital Literacy must be demonstrated either by competency exam or by completing a computer/digital literacy course.

^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 Technology Elective List.

- WLD 151 – Basic Welding A (2 Credits)
- WLD 145 - GMAW Aluminum Lab (1 Credit)
- WLD 147 – Flux Core Arc Welding Lab (1 Credit)
- WLD 225 – SMAW Open Groove Lab (3 credits)
- *WLD 227 – SMAW Pipe Lab A (3 credits)
- WLD 229 – SMAW Pipe Lab B (3 credits)
- *WLD 235 – GTAW Pipe Lab A (3 credit)
- WLD 237 – GTAW Pipe Lab B (3 credits)
- *WLD 245 – GMAW Pipe Lab A (3 credits)
- WLD 247 – GMAW Pipe Lab B (3 credits)
- WLD 253 – Pipe Fitting and Template Development Lab (1 credit)
- *Indicates course required for certificates

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

¹Computer/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.