Intermediate Manufacturing Welding: GTAW, Carbon Steel, Aluminum and Stainless Steel Diploma Courses

Award	Diploma
Credits	28
Program Start	Spring
Time to Complete	7 months
Course Format	Face-to-Face

2023–2024 Suggested Sequence of Study

The following suggested sequence of study is for new full-time students starting the program Spring 2024. Part-time students should visit with a program advisor for a modified sequence of study.

When registering for classes refer to Self-Service > Student Planning to view your specific program requirements, your progress, and ensure proper registration.

Courses are subject to change.

◆	General education course.
▣	Non-transfer general education course.
►	Course has a prerequisite and/or corequisite.
8WK1	Course meets the first 8 weeks of the term.
8WK2	Course meets the second 8 weeks of the term.

Term 1 — Spring			
WEL-228	Introduction to Welding, Safety, and Health of Welders: SENSE1	8WK1	1
WEL-233	Print Reading and Welding Symbol Interpretation: SENSE1	8WK1	3
WEL-274	Shielded Metal Arc Welding I: SENSE1 ►	8WK1	3
WEL-374	SMAW Developmental I ►	8WK1	2
WEL-245	Gas Metal Arc Welding Spray Transfer: SENSE1 ►	8WK2	2
WEL-262	Thermal Cutting Processes I - Manual and Mechanized OxyFuel Cutting: SENSE1 ►	8WK2	2
WEL-263	Thermal Cutting Processes II - Plasma and Carbon Steel Arc: SENSE1 ►	8WK2	2
WEL-346	GMAW Developmental I ►	8WK2	2
MAT-772	Applied Math -OR-		3
	Math Elective		3
		Total Credits	**20**

Term 2 — Summer			
WEL-252	Gas Tungsten Arc Welding for Aluminum: SENSE1 ►		1
WEL-253	Gas Tungsten Arc Welding for Austenitic Stainless Steel: SENSE1 ►		1
WEL-354	Gas Tungsten Arc Welding for Carbon Steel ►		3
WEL-355	Gas Tungsten Arc Welding: Developmental ►		3
		Total Credits	**8**

Math Electives		
MAT-102	Intermediate Algebra	4
MAT-110	Math for Liberal Arts ►	3
MAT-121	College Algebra ►	4
MAT-128	Precalculus ►	4
MAT-134	Trigonometry and Analytic Geometry ►	3
MAT-156	Statistics ►	3
MAT-210	Calculus I ►	4
MAT-216	Calculus II ►	4
MAT-219	Calculus III ►	4