

WELDING AND METALS FABRICATION - INTERMEDIATE TECHNICAL CERTIFICATE (ITC)

Explore More About This Program: <https://cwi.edu/program/welding-and-metals-fabrication>

Certificate Plan

The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this course sequence plan. Please register for each semester as shown using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this course sequence plan.

ADVISING NOTE ON COURSE SEQUENCING: Welding and Metals Fabrication (WEMF) courses are offered in 8-week sessions. Majors may begin taking their WEMF courses at the start of any 8-week session during which they are offered but will need to complete each 8-week course session in the order listed below.

First Year

Fall	Credit Hours
First 8-Week Course Session	
WEMF 111 Safety and Leadership I	1
WEMF 125 Blueprint Reading for Welders I	1
WEMF 135 Gas Metal Arc Welding (GMAW) Practical	4
WEMF 155 Welding Theory I	1
Second 8-Week Course Session	
WEMF 112 Safety and Leadership II	1
WEMF 126 Blueprint Reading for Welders II	1
WEMF 156 Welding Theory II	1
WEMF 175 Shielded Metal Arc Welding (SMAW) Practical	4
Total Semester Credit Hours	14
Spring	
Third 8-Week Course Session	
WEMF 127 Blueprint Reading for Welders III	1
WEMF 157 Welding Theory III	1
WEMF 180 Production Welding	4
Fourth 8-Week Course Session	
WEMF 128 Blueprint Reading for Welders IV	1
WEMF 158 Welding Theory IV	1
WEMF 185 Gas Tungsten Arc Welding (GTAW) Practical	4
Total Semester Credit Hours	12

Second Year

Fall	Credit Hours
Fifth 8-Week Class Session	
WEMF 225 Blueprint Reading and Layout V	2

WEMF 255 Welding and Fabrication Workshop I	4
Sixth 8-Week Class Session	
WEMF 226 Blueprint Reading and Layout VI	2
WEMF 256 Welding and Fabrication Workshop II	4
Total Semester Credit Hours	12
Spring	
Seventh 8-Week Class Session	
WEMF 227 Blueprint Reading and Layout VII	2
WEMF 257 Welding and Fabrication Workshop III	4
Eighth 8-Week Class Session	
WEMF 228 Blueprint Reading and Layout VIII	2
WEMF 258 Welding and Fabrication Workshop IV	4
Total Semester Credit Hours	12
Minimum Credit Hours Required	50