



Welding Technology
 Level 1 Basic Certificate

Manufacturing, Logistics, & Transportation Pathway

AC Course Number	Required Course Titles	Credit Hours	Semesters Offered	Course Modalities
FIRST YEAR				
First Semester				
<input type="checkbox"/> WLDG 1428	Introduction to Shielded Metal Arc Welding	4	F, Sp	F2F
<input type="checkbox"/> DFTG 1325 or DFTG 1409	Blueprint Reading and Sketching or Basic Computer-Aided Drafting	3-4	F, Sp	Hyb
<input type="checkbox"/> WLDG 1457	Intermediate Shielded Metal Arc Welding	4	F, Sp	F2F
<input type="checkbox"/> TECM 1301	Industrial Mathematics	3	F, Sp	Hyb
Second Semester				
<input type="checkbox"/> WLDG 2413	Intermediate Weld Using Multiple Processes	4	F, Sp	F2F
<input type="checkbox"/> WLDG 2443	Advanced shielded Metal Arc Welding	4	F, Sp	F2F
TOTAL CREDIT HOURS		22-23		

Semesters: Fall (F), Winter (W)Spring (Sp), Summer (Su)

Modalities: Face-to-face (F2F), Internet/online (Int), Hybrid (Hyb)

Manufacturing, Logistics, & Transportation Pathway**Transfer Opportunities**

Transfer is possible to Technical schools, and Community Colleges

Career Opportunities and Salaries

Helper - \$27,040
Production Welder - \$14.38/hour
Thin Material Structural Welder - \$17.56/hour

Marketable Skills

- 1) Work well on a team
- 2) Define, explain and interpret technical information
- 3) Use critical thinking to identify strengths and weakness to determine solutions
- 4) Identify appropriate information sources
- 5) Use math to answer questions
- 6) Schedule/coordinate Operations
- 7) Use current technology to diagnose and solve problems
- 8) Use Troubleshooting to determine causes and decide what to do about it
- 9) Think on your feet

Technical Skills

Courses cover Stick welding on Structural steel, and Semi-Automatic welding with Wire for Structural Applications.