



WELDING AND METAL FABRICATION TECHNOLOGY

CERTIFICATE OF APPLIED SCIENCE

ADVISING WORKSHEET 2025-2026

Jacket Student Central
Phone: 406-247-3019
Fax: 406-247-3095

Name _____

Student ID _____

Course	Credits	Grade	Semester	Equivalent
Required Preparatory Courses				

General Education Requirements

CAPP	120	Introduction to Computers	3			
COMX	106	Communicating in a Dynamic Workplace	3			
WRIT	104	Workplace Communication	3			
M	111	Technical Mathematics	3			

Required Courses

WLDG	117	Blueprint Reading and Welding Symbols	3			
WLDG	124	Welding Theory Tech/Safety	3			
WLDG	125	Cutting and Shielded Metal Arc Welding Lab	5			
WLDG	126	Shield Metal Arc Welding Lab	4			
WLDG	153	Metal Fabrication Basics	3			
WLDG	154	Metal Fabrication Basics Lab	3			
WLDG	156	Semi-Automatic Welding	2			
WLDG	157	Semi-Automatic and SMAW Lab	5			

TOTAL MINIMUM CREDITS REQUIRED 40

A grade of "C" (2.0) or higher is mandatory in all courses

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits
COMX 106	3	CAPP 120	3
WRIT 104	3	M 111	3
WLDG 117	3	WLDG 153	3
WLDG 124	5	WLDG 154	3
WLDG 125	4	WLDG 156	2
WLDG 126	3	WLDG 157	5
TOTAL	21	TOTAL	19

Transcript evaluation (if applicable completed) by: _____ on ____/____/____

Program Specific Information

- The minimum requirements to start any WLDG course is placement into WRIT 104 and an Accuplacer Reading score of 66, or a NextGen Accuplacer Reading score of 240.
- Students can start working on General Education courses before starting WLDG courses.
- WLDG courses are a fall semester start only.
- For students that complete the Welding & Metal Fabrication Certificate of Applied Science and choose to continue into the Welding and Metal Fabrication Associate of Applied Science degree, they will need to complete WRIT 122 and M 114, the required General Education writing and math courses for the degree. WRIT 122 can substitute WRIT 104 and M 111 can substitute M 114 in the certificate.
- Students will be required to purchase or supply tools for this program. Tool and vendor lists are available at <http://msubillings.edu/citycollege/programs/ProgWelding.htm> or in Jacket Student Central.
- Graduates can find work in structural and steel fabrication shops with heavy equipment rebuilders and manufactures, mining, refineries, and other energy related enterprises.
- MSUB Advising & Career Services assists with Cooperative Education Internships where you can work with professionals in your chosen career field, develop a network of contacts in your career field, and have the potential to earn a salary while doing it. For further information, go to <http://www.msubillings.edu/careers/> or contact the Cooperative Education Specialist at 406-657-1717.
- Students that earn an Associate of Applied Science degree and want to further their education, thus career; are able to go on for a Bachelor of Applied Science degree through MSUB. There are various thematic concentrations that a student can focus on to earn a BAS degree, one of which is Business. Contact Jacket Student Central or contact MSUB Advising & Career Services at 406-657-2240 for further details.