



**WELDING AND METAL FABRICATION TECHNOLOGY
ASSOCIATE OF APPLIED SCIENCE**

TRANSFER INSTITUTION(S):

ADVISING WORKSHEET 2023-2024

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

Name _____

Student ID _____

| Course | Credits | Grade | Semester | Equivalent |
|--|---------|-------|----------|------------|
| Recommended Preparatory Courses | | | | |
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|-------------------------------------|--|--|--|--|
| Required Preparatory Courses | | | | |
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| General Education Requirements | | | | |
|---------------------------------------|-----|--------------------------------------|---|--|
| CAPP | 120 | Introduction to Computers | 3 | |
| COMX | 106 | Communicating in a Dynamic Workplace | 3 | |
| M | 114 | Extended Technical Mathematics | 3 | |
| WRIT | 122 | Introduction to Business Writing | 3 | |

| Required Courses | | | | |
|-------------------------|-----|--|---|--|
| WLDG | 117 | Blueprint Reading and Welding Symbols | 3 | |
| WLDG | 124 | Welding Theory Technology and 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 | |
| WLDG | 205 | Applied Metallurgy | 2 | |
| WLDG | 212 | Pipe Welding and Layout | 3 | |
| WLDG | 213 | Pipe Welding I Lab | 5 | |
| WLDG | 215 | Gas Tungsten Arc Welding | 5 | |

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|------|-----|--------------------------------|---|--|--|--|
| WLDG | 250 | Metals Production | 2 | | | |
| WLDG | 251 | Special Welding Processes | 5 | | | |
| WLDG | 280 | Weld Testing and Certification | 2 | | | |
| WLDG | 281 | Testing and Certification Lab | 3 | | | |

Recommended Elective

| | | | | | | |
|------|-----|----------------------------------|-----|--|--|--|
| WLDG | 298 | Cooperative Education Internship | 3-6 | | | |
| | | | | | | |

TOTAL MINIMUM CREDITS REQUIRED 67
A grade of "C" (2.0) or higher is mandatory in all courses

Suggested Plan of Study

| First Semester | Credits | Second Semester | Credits | Summer (optional) | Credits |
|-----------------------|----------------|------------------------|----------------|--------------------------|----------------|
| WRIT 122 | 3 | M 114 | 3 | WLDG 298 | 3-9 |
| WLDG 117 | 3 | WLDG 153 | 3 | TOTAL | 3-9 |
| WLDG 124 | 3 | WLDG 154 | 3 | | |
| WLDG 125 | 5 | WLDG 156 | 2 | | |
| WLDG 126 | <u>4</u> | WLDG 157 | <u>5</u> | | |
| TOTAL | 18 | TOTAL | 16 | | |

| Third Semester | Credits | Fourth Semester | Credits |
|-----------------------|----------------|------------------------|----------------|
| CAPP 120 | 3 | COMX 106 | 3 |
| WLDG 205 | 2 | WLDG 250 | 2 |
| WLDG 212 | 3 | WLDG 251 | 5 |
| WLDG 213 | 5 | WLDG 280 | 2 |
| WLDG 215 | <u>5</u> | WLDG 281 | <u>3</u> |
| TOTAL | 18 | TOTAL | 15 |

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

Program Specific Information:

- The minimum requirements to start any WLDG course is placement into WRIT 104 and a 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.
- 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.
- Upon successful completion of the program, students will have the skills to take industry certifications.
- Graduates may qualify for advanced placement in the Ironworkers, Pipefitters, or Boilermakers unions.
- MSUB 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. Contact the Cooperative Education Specialist in Advising & Career Services at 657-1717 or visit their webpage <http://www.msubillings.edu/careers/> for further details.
- 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.