



**WELDING FOR ENERGY TECHNOLOGY
CERTIFICATE OF APPLIED SCIENCE**

ADVISING WORKSHEET 2018-2019

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			

***Students are encouraged to pursue the college level math and writing classes if possible**

Required Courses

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			
WLDG	250	Metals Production	2			
WLDG	251	Specialty Welding Processes	5			
WLDG	280	Weld Testing Certification	2			
WLDG	281	Weld Testing Certification Lab	3			

TOTAL MINIMUM CREDITS REQUIRED 39

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 205	2	WLDG 250	2
WLDG 212	3	WLDG 251	5
WLDG 213	5	WLDG 280	2
WLDG 215	5	WLDG 281	3
TOTAL	21	TOTAL	18

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

Program Specific Information

- Entrance requirement for the Welding for Energy Technology Certificate of Applied Science is successful completion of the Welding and Metal Fabrication Certificate of Applied Science or equivalent professional industry certification, and/or evaluation by qualified City College at MSU Billings faculty of applicable work experience.
- The minimum requirements to start any WLDG course is placement into WRIT 104 and a COMPASS Reading score of 72, Accuplacer Reading score of 66, **or** a NextGen Accuplacer 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/default.htm> or contact the Cooperative Education Specialist in Career Services 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.



**2018 -2019 Welding for Energy Technology
Certificate of Applied Science Plan of Study**

Name _____

Student ID _____

Semester _____

Semester _____

Course	Credits	Course	Credits
Total		Total	

Fall _____

Spring _____

Course	Credits	Course	Credits
WLDG 205	2	WLDG 250	2
WLDG 212	3	WLDG 251	5
WLDG 213	5	WLDG 280	2
WLDG 215	5	WLDG 281	3
Gen. Ed.	3	Gen Ed.	3
Gen. Ed.	3	Gen Ed.	3
Total		Total	

Number of earned credits that apply toward certificate: _____

Number of credits left to earn for certificate: _____

CERTIFICATION: The courses listed are **required** for the student's certificate.

Advisor's Signature: _____ Date: _____

Student's Signature: _____ Date: _____