



MONTANA STATE UNIVERSITY BILLINGS
WELDING AND METAL FABRICATION TECHNOLOGY
ASSOCIATE OF APPLIED SCIENCE

ADVISING WORKSHEET 2013-2014

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

Name _____

Student ID # _____

This program begins in the fall semester.

Course	Credits	Grade	Semester	Equivalent
Recommended Preparatory Courses				

Required Preparatory Courses				

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	152	Layout Pattern Making	3			
WLDG	153	Metal Fabrication Basics	2			
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			
WLDG	251	Special Welding Processes	5			
WLDG	255	CNC Burn Table Programming & Operation	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 72

A grade of "C" or higher is mandatory in all required courses

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits	Summer (optional)	Credits
WRIT 122	3	M 114	3	WLDG 298	3-6
WLDG 117	3	WLDG 152	3	TOTAL	6
WLDG 124	3	WLDG 153	2		
WLDG 125	5	WLDG 154	3		
WLDG 126	4	WLDG 156	2		
TOTAL	18	WLDG 157	5		
		TOTAL	18		

Third Semester	Credits	Fourth Semester	Credits
CAPP 120	3	COMX 106	3
WLDG 205	2	WLDG 251	5
WLDG 212	3	WLDG 255	5
WLDG 213	5	WLDG 280	2
WLDG 215	5	WLDG 281	3
TOTAL	18	TOTAL	18

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

Developing a Plan of Study

To facilitate course planning and scheduling, students should be aware that not all courses are offered every semester. Some courses require pre-requisites and preparatory courses to be successfully completed or co-requisites be taken simultaneously.

Selected Courses and Prerequisites

Key: F= Fall; S=Spring; X=Summer; # = Online

Welding & Metal Fabrication Associate of Applied Science Program Requirements:

Course	Required Pre-requisite	Recommended Pre-requisite	Required Co-Requisite	Recommended Co-requisite	Term Offered
CAPP 120					F, S, X # F, S, X
COMX 106					F, S, X # F, S, X
M 114	M 111, M095, or appropriate placement scores				F, S, X # F, S
WLDG 117	WRIT 104 & reading Compass score placement				F
WLDG 124	WRIT 104 & reading Compass score placement				F
WLDG 125			WLDG 124		F
WLDG 126			WLDG 124		F
WLDG 152	WLDG 117,		M 111, WLDG 153, WLDG 154		S
WLDG 153	WLDG 124, WLDG 117, WLDG 125, WLDG 126		WLDG 152, WLDG 154		S
WLDG 154	WLDG 124, WLDG 117, WLDG 125, WLDG 126		WLDG 152, WLDG 153		S
WLDG 156	WLDG 124, WLDG 117, WLDG 125, WLDG 126				S
WLDG 157	WLDG 124, WLDG 125, WLDG 126		WLDG 156		S
WLDG 205	Completion of 1 st year of program				F
WLDG 212	Completion of 1 st year of program				F
WLDG 213	Completion of 1 st year of program		WLDG 212		F
WLDG 215	Completion of 1 st year of program				F
WLDG 251	Completion of 1 st year of program, WLDG 213, WLDG 215, WLDG 205				S
WLDG 255	WLDG 124, WLDG 117, WLDG 152, WLDG 153, WLDG 154				S
WLDG 280	Completion of 1 st year of program				S
WLDG 281	Completion of 1 st year of program				S
WRIT 122	WRIT 095, WRIT 104, or appropriate placement scores				F, S, X # F, S, X
Recommended Elective-WLDG 298					

Program Specific Information

Students should know the following information:

- Students must be ready for WRIT 104, M 065, and have a minimum score of a 72 on the Compass Reading Test to take any WLDG courses.
- WLDG classes are very sequential and the first semester of WLDG classes begins only in the fall semester.
- If a student completes the Welding & Metal Fabrication Certificate and chooses to continue into the Associates of Applied Science degree, they will need to complete the required math and writing courses.
- Students will be required to purchase or supply tools for this program.
- Students that earn an AAS 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.



City College

2013-2014 Welding & Metal Fabrication Technology AAS Plan of Study

for _____

Date: _____

Welding & Metal Fabrication Associate of Applied Science Plan of Study

Semester (_____)

Semester (_____)

Course	Credits	Course	Credits

Semester (**FALL** _____)

Semester (**SPRING** _____)

Course	Credits	Course	Credits
WLDG 117	3	WLDG 152	3
WLDG 124	3	WLDG 153	2
WLDG 125	5	WLDG 154	3
WLDG 126	4	WLDG 156	2
Gen. Ed.	3	WLDG 157	5
		Gen. Ed.	3
Total		Total	

Semester (**FALL** _____)

Semester (**SPRING** _____)

Course	Credits	Course	Credits
WLDG 205	2	WLDG 251	5
WLDG 212	3	WLDG 255	5
WLDG 213	5	WLDG 280	2
WLDG 215	5	WLDG 281	3
Gen. Ed.	3	Gen. Ed.	3
Total		Total	

Number of earned credits that apply toward degree: _____

Number of credits left to earn for degree: _____

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

Advisor's Signature: _____ Date: _____

Student's Signature: _____ Date: _____