MONTANA STATE UNIVERSITY BILLINGS

POWER PLANT TECHNOLOGY
(PRE-APPRENTICESHIP PROGRAM)
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 spring semester
Before a student can be accepted into the Power Plant Technology Program, competency in math and English must be demonstrated. This may be done by:

- **Receiving a passing score on the Compass Placement Test that indicates adequate preparation to enroll in M 114 and WRIT 121 or WRIT 122**
- **Transfer of appropriate credits**
- **Current ACT/SAT scores in the required range showing readiness to take M 114 and WRIT 122 or WRIT 121**
- **Current MUS Writing score in the required range showing readiness to take WRIT 121 or WRIT 122**

If none of the above criteria are met, a student must complete the necessary prerequisite math and writing classes identified in this catalog (M 111 and WRIT 104)

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			
M	114	Extended Technical Mathematics	3			
WRIT WRIT	121 or 122	Intro to Technical Writing Intro to Business Writing	3			
Required Courses						
COMX	111	Introduction to Public Speaking	3			
BGEN	105	Introduction to Business	3			
PPT	101	Fundamentals of Processing Technology Lecture	4			
PPT	102	Fundamentals of Processing Plant Laboratory	1			
PPT	120	Environmental Awareness	2			
PPT	130	Progress Diagrams for Process Technology	2			
PPT	135	Instrumentation and Control Systems Lecture	4			
PPT	136	Instrumentation and Control Systems Lab	1			

Updated 5/13/2013

PPT	151	Process Plant Safety I	2			
PPT	161	Process Plant Safety II	2			
PPT	175	Process Plant Sciences Lecture	4			
PPT	176	Process Plant Sciences Lab	1			
PPT	207	Boilers, Accessories, and Basic Operations	3			
PWRP	201	Power Plant Equipment and Operation	3			
PWRP	203	Energy Sources and Conversion	3			
PWRP	210	Turbines, Accessories and Basic Operations	3			
PWRP	214	Power Generation	4			
PWRP	216	Electrical System Components and Protections	3			
PWRP	218	Advanced Plant Operations and Troubleshooting	4			
PWRP	296	Cooperative Education/Internship	2			
TRID	160	Hazardous Materials Technician General Training	3			
TRID	185	Introduction to Industrial Power Systems	2			
TRID	186	Introduction to Industrial Power Systems Lab	1			

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**
CAPP 120	3	COMX 111	3
M 114	3	WRIT 121/122	3
PPT 101	4	PPT 120	2
PPT 102	1	PPT 135	4
PPT 130	2	PPT 136	1
PPT 151	2	PPT 161	2
TRID 185	2	PPT 175	4
TRID 186	1	PPT 176	1
TOTAL	**18**	**TOTAL**	**20**

Third Semester	**Credits**	**Fourth Semester**	**Credits**
BGEN 105	3	PWRP 210	3
COMX 106	3	PWRP 214	4
PWRP 201	3	PWRP 216	3
PWRP 203	3	PWRP 218	4
PPT 207	3	PWRP 296	2
TRID 160	3	**TOTAL**	**16**
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.

Power Plant Technology Associate of Applied Science Degree Requirements:
Key: F= Fall; S=Spring; X=Summer; # = online

Course	Required Pre-requisite	Recommended Pre-requisite	Required Co-requisite	Recommended Co-requisite	Term Offered
BGEN 105					F, S, X # F, S, X
CAPP 120					F, S, X # F, S, X
COMX 106					F, S, X # F, S, X
COMX 111					F, S, X # F, S
M 114	M 095 or M 111 or having appropriate placement score				F, S, X # F, S
PPT 101					S
PPT 102			PPT 101		S
PPT 120					F
PPT 130					S
PPT 135	PPT 101, PPT 130, and TRID 185				F
PPT 136			PPT 135		F
PPT 151					S
PPT 161	PPT 151				F
PPT 175	PPT 101				F
PPT 176			PPT 175		F
PPT 207					S
PWRP 201					S
PWRP 203					S
PWRP 210	PPT 135 and PPT 175				F
PWRP 214	PPT 175				F
PWRP 216	PPT 175				F
PWRP 218	PWRP 201				F
PWRP 296					F, S, X
TRID 160					
TRID 185					S
TRID 186			TRID 185		S
WRIT 121 or WRIT 122	WRIT 104 or WRIT 095 or having appropriate placement score				WRIT 122 F, S, X # F, S, X WRIT 121 S # S

Program Specific Information

Students should know the following information:

- Before a student can take part in the technical courses of the Power Plant program (required PPT, PWRP, and TRID courses), they must be at least ready for college level math and writing.
- If a student is at the preparatory level for math or writing, the initial focus is on the needed M 111 and WRIT 104 or other preparatory courses to prepare for college level math and writing. General Education courses such as CAPP 120, COMX 106, WRIT 121 or WRIT 122, M 114, COMX 111, and BGEN 105 can be completed in advance of the technical courses.
- The technical portion of the program is a spring semester start only.
- Technical courses are very specific and sequential in order and semesters in which they are offered. Please refer to the plan of study outlined below as to the order and progression of the technical courses.
- 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.

MSU BILLINGS

City College

2013-2014 Power Plant AAS Plan of Study

For:_____

Date: _____

Power Plant Technology AAS Program Requirements:

Semester (_____) **Semester (_____)**

Course	Credits	Course	Credits
Total		**Total**	

Semester (Spring_____) **Semester (Fall_____)**

Course	Credits	Course	Credits
PPT 101	4	PPT 120	2
PPT 102	1	PPT 135	4
PPT 130	2	PPT 136	1
PPT 151	2	PPT 161	2
TRID 185	2	PPT 175	4
TRID 186	1	PPT 176	1
+ CAPP 120	3	+ COMX 111	3
+ M 114	3	+ WRIT 121 or WRIT 122	3
Total		**Total**	

Semester (Spring_____) **Semester (Fall_____)**

Course	Credits	Course	Credits
PWRP 201	3	PWRP 210	3
PWRP 203	3	PWRP 214	4
PPT 207	3	PWRP 216	3
TRID 160	3	PWRP 218	4
+ BGEN 105	3	PWRP 296	2
+ COMX 106	3		
Total		**Total**	

+ Courses that can be taken in advance

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: _____