MONTANA STATE UNIVERSITY BILLINGS

SUSTAINABLE ENERGY TECHNICIAN
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

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	111	Technical Mathematics	3			
M`	121	College Algebra	3			
WRIT	121	Intro to Technical Writing	3			
Required Courses						
SET	110	Introduction to Sustainable Energy	3			
SET	120	Fundamentals of Mechanical Systems	3			
SET	130	Fundamentals of Hydraulic/Pneumatic Systems	3			
SET	150	Industrial Safety and Rigging	3			
SET	160	AC/DC Electronics I	3			
SET	170	Electric Motors and Generators	3			
SET	180	AC/DC/Electronics II	3			
SET	250	Wind Technician Safety	4			
SET	252	Wind Turbine Equipment	3			
SET	254	Wind Turbine Operations and Maintenance	3			

Updated 5/13/2013

SET	260	Electrical Power and Distribution I	3			
SET	264	Electrical Power and Distribution II	3			
SET	270	Electronic Drive Systems	3			
SET	280	Programmable Logic Controllers	3			
SET	284	Digital Electronics	4			

TOTAL MINIMUM CREDITS REQUIRED 62

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

Suggested Plan of Study

First Semester	**Credits**	**Second Semester**	**Credits**
M 111	3	CAPP 120	3
SET 110	3	COMX 106	3
SET 120	3	SET 130	3
SET 150	3	SET 170	3
SET 160	3	SET 180	3
WRIT 121	3	**TOTAL**	**15**
TOTAL	**18**		

Third Semester	**Credits**	**Fourth Semester**	**Credits**
M 121	3	SET 254	3
SET 250	4	SET 264	3
SET 252	3	SET 270	3
SET 260	3	SET 284	4
SET 280	3	**TOTAL**	**13**
TOTAL	**16**		

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.

Sustainable Energy Associate of Applied Science Degree Program Requirements:

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

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, # F, S
M 111	Passing M 061 or appropriate placement score				F, S, X
M 121	Passing M 095 or appropriate placement score				F, S, X # F, S, X
SET 110					S
SET 120					S
SET 130	Passing M 111				X
SET 150					S
SET 160					S
SET 170	Passing SET 160				X
SET 180	Passing SET 160				X
SET 250	Passing SET 150				F
SET 252	Passing SET 150				F
SET 254	Passing SET 150				S
SET 260	Passing SET 180				F
SET 264	Passing SET 260				S
SET 270	Passing SET 180				S
SET 280	Passing SET 180				F
SET 284	Passing SET 180				S
WRIT 121	Passing WRIT 104 or WRIT 095 or appropriate placement score				S # S

Program Specific Information

Students should know the following information:

- Before a student can take part in the technical courses in the Sustainable Energy program (required SET courses), they must be at a math level of at least M 111 and a writing level of at least WRIT 104.
- For the Certificate of Applied Science, General Education courses such as CAPP 120 and COMX 106, M 111, and WRIT 104 can be taken in advance of starting the technical courses.
- For the Associate of Applied Science degree, General Education courses such as CAPP 120, COMX 106, WRIT 121, M 111, and M 121 can be taken in advance of starting the technical courses.
- COMX 106 Communicating in a Dynamic Workplace can substitute COMX 115. COMX 106 is offered on the COT campus. COMX 115 is offered on the MSUB campus or on-line.
- The technical portion of the program is a spring semester start only. Summer courses are required. Please plan financially for this.
- 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.

2013-2014 Sustainable Energy AAS Plan of Study

For:_____

City College **Date:** _____

AAS Sustainable Energy

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

Course	Credits	Course	Credits

Semester (Spring_____) **Semester (Summer_____)**

Course	Credits	Course	Credits
SET 110	3	SET 130	3
SET 120	3	SET 170	3
SET 150	3	SET 180	3
SET 160	3	+ CAPP 120	3
+ M 111	3	+ COMX 115	3
+ WRIT 121	3		
Total		**Total**	

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

Course	Credits	Course	Credits
SET 250	3	SET 254	3
SET 252	4	SET 264	3
SET 260	3	SET 270	3
SET 280	3	SET 284	4
+ M 121	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: _____