



MONTANA STATE UNIVERSITY BILLINGS

SUSTAINABLE ENERGY TECHNICIAN CERTIFICATE OF APPLIED SCIENCE

ADVISING WORKSHEET 2014-2015

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

Name _____

Student ID # _____

Course	Credits	Grade	Semester	Equivalent
Preparatory Courses				

General Education Requirements

CAPP	120	Introduction to Computers	3			
COMX	106	Communicating in a Dynamic Workplace	3			
M	111	Technical Mathematics	3			
WRIT	121	Intro to Technical Writing	3			

Required Courses

DST	140	Introduction to Hydraulics	2			
DST	141	Introduction to Hydraulics Lab	2			
ELCT	130	Electric Motors and Generators	3			
ETEC	103	AC/DC Electronics II	3			
HVC	110	Introduction to HVAC	3			
NRGY	101	Introduction to Sustainable Energy	3			
NRGY	121	Climb Safety and Rigging	1			
TRID	150	Environmental and Shop Practices	2			
TRID	185	Introduction to Industrial Power Systems	2			
TRID	186	Introduction to Industrial Power Systems Lab	1			

TOTAL MINIMUM CREDITS REQUIRED 33

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

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits
HVC 110	3	CAPP 120	3
M 111	3	COMX 106	3
NRGY 101	3	DST 140	2
NRGY 121	1	DST 141	2
TRID 185	2	ELCT 130	3
TRID 186	1	ETEC 103	3
WRIT 121	3	TOTAL	15
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.

Sustainable Energy Certificate of Applied Science 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, X
DST 140			DST 141		F, S
DST 141			DST 140		F, S
ELCT 130					S
ETEC 103					S
HVC 110					F
M 111	M 065 or appropriate placement score				F, S, X
NRGY 101					F
NRGY 121					F
TRID 150					F, S
TRID 185					F, S
TRID 186			TRID 184		F, S
WRIT 121	WRIT 104, WRIT 095 or appropriate placement score and CAPP 120				S, F

Program Specific Information

Students should know the following information:

- Before a student can take part in the technical courses in the Sustainable Energy program, 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 114 or M 121 can be taken in advance of starting the technical courses.
- The technical portion of the program is a fall 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.



2014-2015 Sustainable Energy CAS Plan of Study

Name: _____

Date: _____

City College CAS Sustainable Energy

Semester _____

Semester _____

Course	Credits	Course	Credits
Total		Total	

Fall _____

Spring _____

Course	Credits	Course	Credits
HVC 110	3	DST 140	2
NRGY 101	3	DST 141	2
NRGY 121	1	ELCT 130	3
TRID 185	2	ETEC 103	3
TRID 186	1	+ CAPP 120	3
+ M 111	3	+ COMX 106	3
+ WRIT 121	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 certificate.

Advisor's Signature: _____ Date: _____

Student's Signature: _____ Date: _____