



**SUSTAINABLE ENERGY TECHNICIAN
ASSOCIATE OF APPLIED SCIENCE**

ADVISING WORKSHEET 2017-2018

Name _____

Student ID _____

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

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			
or						
M	121	College Algebra (preferred)	3			
WRIT	121	Intro to Technical Writing	3			

Required Courses

DST	140	Introduction to Hydraulics	2			Substituted by ETEC 193
DST	141	Introduction to Hydraulics Lab	2			Substituted by ETEC 193
ELCT	130	Electric Motors and Generators	3			
ELCT	241	Electric Motor Controls	3			
ELCT	250	Programmable Logic Controllers	3			
ETEC	103	AC/DC/Electronics II	3			
ETEC	220	Electrical Power and Distribution I	3			Substituted by ETEC 192
HVC	110	Introduction to HVAC	3			
HVC	255	Advanced Controls	3			
NRGY	101	Introduction to Sustainable Energy	3			
NRGY	121	Climb Safety and Rigging	1			

NRGY	220	Wind Turbine Equipment	3			
NRGY	235	Building Energy Efficiency	3			
NRGY	243	Fundamentals of Photovoltaic Design and Installation	3			
NRGY	299	Senior Capstone	3			
NTS	104	CCNA 1: Intro to Networks	4			
TRID	150	Environmental and Shop Practices	2			
TRID	185	Introduction to Industrial Power Systems	2			Substituted by ETEC 101
TRID	186	Introduction to Industrial Power Systems Lab	1			Substituted by ETEC 101

Restricted Elective

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TOTAL MINIMUM CREDITS REQUIRED 65(66)*

***SEE ADVISOR FOR DETAILS**

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

Restricted Elective to choose from:

ETEC 284	Digital Electronics.....	4
NRGY 291	Special Topics.....	1-3
NRGY 298	Internship.....	3

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits
ETEC 101	3	ELCT 130	3
*NRGY 101	3	ETEC 193	4
ETEC 192	4	*ETEC 103	3
TRID 150	2	NRGY 121	1
M 114 or M 121	3	CAPP 120	3
WRIT 121	3	COMX 106	3
TOTAL	18	TOTAL	17

Third Semester	Credits	Fourth Semester	Credits
ELCT 241	3	ELCT 250	3
HCV 110	3	HVC 255	3
NRGY 220	3	NRGY 299	3
NRGY 235	3	NTS 104	4
NRGY 243	3	Restricted Elective	3
TOTAL	15	TOTAL	16

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

Program Specific Information

- Before a student can take part in the required (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.
- Technical courses are very specific and sequential in order and semesters in which they are offered. Please consult with Academic Advisor for further details.
- MSUB 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. Contact the Cooperative Education Specialist in Advising & Career Services at 657-1717 or visit their webpage <http://www.msubillings.edu/careers/> for further details.
- 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. Contact Jacket Student Central or contact MSUB Advising Center at 406-657-2240 for further details.

2017-2018 AAS Sustainable Energy Plan of Study

Name _____

Student ID _____

Semester _____

Semester _____

Course	Credits	Course	Credits

Fall _____

Spring _____

Course	Credits	Course	Credits
EETC 101	3	ELCT 130	3
EETC 103	3	EETC 193	4
EETC 192	4	NRGY 101	3
TRID 150	2	NRGY 121	1
M 114 or M 121	3	CAPP 120	3
WRIT 121	3	COMX 106	3
Total		Total	

Fall _____

Spring _____

Course	Credits	Course	Credits
ELCT 241	3	ELCT 250	3
HVC 110	3	HVC 255	3
NRGY 220	3	NRGY 299	3
NRGY 235	3	NTS 104	4
NRGY 243	3	Restricted Elective	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 Signature: _____ Date: _____

Student Signature: _____ Date: _____