

RENEWABLE ENERGY

Associate of General Studies 62 Hour

Required General Education Courses 25 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr) or CM120 Survey of Technical Writing (3 cr) CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course or MA110 Intermediate Algebra (3 cr)	
<i>Humanities Requirement</i>	3
Art Humanities Music Literature Theatre Philosophy Foreign Language History	
<i>Social/Behavioral Science Requirement</i>	3
Economics Anthropology Psychology Political Science Sociology Geography	
<i>Humanities or Social Science Requirement</i> (Must be from second area)	3
<i>Natural Science Requirement</i>	4
Physical Science w/lab or Biological Science w/lab	
<i>Open General Education Elective</i>	3

Required Renewable Energy Courses 12 cr

SE100 Introduction to Solar Energy	3
UA100 Introduction to sUAS	3
WE100 Introduction to Wind Energy	3
WE110 Electrical Theory	3

Elective Courses 19 cr

Business	
BE100 Introduction to Business	3
BE152 Salesmanship	3
BE154 Business Law	3
BE155 Marketing	3
BE160 Business Accounting	3
BE170 Business Statistics	3
BE185 Human Resource Management	3
BE188 Principles of Advertising	3
EC101 Principles of Macroeconomics	3
EC102 Principles of Microeconomics	3
MG101 Management Principles	3
MG102 Introduction to Entrepreneurship	3
Political Science and History	
HI122 US History I	3
HI123 US History II	3
SS130 Introduction to Sociology	3
SS140 U.S. Gov't: National	3
SS141 U.S. Gov't: State and Local	3
SS142 Current Political Issues	3

Energy Technology

IE117 OSHA 10-Hour General Industry Training	1
SE101 Solar Energy Fundamentals	3
SE102 Solar Energy Design	3
SE103 Solar Energy Operations & Maintenance	3
SE201 Advanced Solar Energy Design	3
SE202 Advanced Solar Energy Installation	3
SE203 Solar Energy System Commissioning	3
SE204 Solar Energy Advanced O&M	3
UA201 sUAS Command, Control, and Communication	3
UA210 sUAS Systems & Conceptual Design	3
WE105 Employability Skills, Safety, & Blueprint Reading	3
WE120 Hydraulics	3
WE150 Mechanical Systems	3
WE202 Electrical Power Delivery	3
WE210 Electronics	3
WE215 Electrical System Protection and Coordination	3
WE220 Cooperative Ed Internship	3
WE225 Motors, Generators, PLC's	3
WE227 PLC's	3
WE230 Substation & Voltage Regulation	3
WE240 GIS/GPS	3
WE250 Data Acquisition & Communication	3
WE255 Airfoils & Composite Repair	3
WE257 Applied Airfoils	3
*WE262 Blade Repair Operations	3
*WE265 Field Training & Project Operations	3
WE270 Transformer Theory	3
WE280 Wind Energy Technology Internship	1-4

Additional Electives

CS108 Computer Applications	3
CS155 Networking and Computer Technology	3
MA114 Elementary Statistics	3
SC107 Meteorology	4
SC109 Applied Physics	3

Life Skills

BE139 Basic Personal Finance	1
BE210 Leadership Development	3
PE141 Personal Wellness	3
PE250 Stress Management	3
SS106 Marriage and Family	3

Open Electives 6 cr

*Must have a physical on file prior to enrolling in this course.