

RENEWABLE ENERGY

Solar Energy 33-Hour Certificate

General Education Required Courses 6 cr

<i>Communication Requirement</i>	3
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	
<i>Mathematics Requirement</i>	3
MA104 Technical Math (3 cr) or	
MA110 Intermediate Algebra (3 cr) or	
Mathematics General Education Course	

Required Solar Energy Courses 21 cr

SE100 Introduction to Solar Energy	3
SE101 Solar Energy Fundamentals	3
SE102 Solar Energy Design	3
SE103 Solar Energy Operations & Maintenance	3
WE105 Employability Skills, Safety, & Blueprint Reading	3
WE110 Electrical Theory	3
WE250 Data Acquisition & Communications	3

Elective Courses 6 cr

BE160 Business Accounting	3
BE170 Business Statistics	3
CS108 Computer Applications	3
CS155 Networking and Computer Technology	3
CS140 Introduction to Robotics	3
MG102 Introduction to Entrepreneurship	3
UA100 Introduction to sUAS	3
UA110 sUAS Ground School	3
SC109 Applied Physics	3
WE100 Introduction to Wind Energy	3
WE210 Electronics	3
WE225 Motors, Generators, PLC's	3
WE230 Substation & Voltage Regulation	3
WE270 Transformer Theory	3
WE280 Wind Energy Technology Internship	1-4

