RENEWABLE ENERGY

Solar Energy
Associate of Applied Science
64 Hours

General Education Required Courses   19 cr

Communication Requirement   6
    CM101 English Composition I (3 cr) **or**
      CM120 Survey of Technical Writing (3 cr)
    CM115 Public Speaking (3 cr) **or**
      CM240 Interpersonal Communication (3 cr)

Humanities Requirement   *(1area required)*   3
Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History

Mathematics Requirement   3
    MA110 Intermediate Algebra (3 cr) **or**
      Mathematics General Education Course

Natural Science Requirement   4
    SC107 Meteorology (4 cr) **or**
    SC137 Natural Hazards and Disasters (3 cr) and
      SC138 Natural Hazards and Disasters (1 cr) **or**
    SC146 Environmental Science & Conservation (3 cr) and
      SC147 Environmental Science & Conservation Lab (1 cr)

Social/Behavioral Science Requirement   3
    (1 area required)
Economics	Anthropology
Psychology	Political Science
Sociology	Geography

Required Solar Courses   36 cr

SE100	Introduction to Solar Energy	3
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 Operations & Maintenance	3
WE105	Employability Skills, Safety, & Blueprint Reading	3
WE110	Electrical Theory	3
*WE210	Electronics	3
*WE250	Data Acquisition & Communications	3

Elective Courses   9 cr

BE160	Business Accounting	3
BE170	Business Statistics	3
CS108	Computer Applications	3
CS155	Networking and Computer Technology	3
MG102	Introduction to Entrepreneurship	3
SC109	Applied Physics	3
WE100	Introduction to Wind Energy	3
*WE225	Motors, Generators, PLC's	3
*WE230	Substation & Voltage Regulations	3
*WE270	Transformer Theory	3
WE280	Wind Energy Technology Internship	4

*Must have admittance to Wind Program to enroll in these courses or permission from Department Chair.