

RENEWABLE ENERGY

Solar Energy Associate of Applied Science 64 Hours

General Education Required Courses		19 cr	Required Solar Courses		36 cr
<i>Communication Requirement</i>		6	SE100	Introduction to Solar Energy	3
CM101 English Composition I (3 cr) or			SE101	Solar Energy Fundamentals	3
CM120 Survey of Technical Writing (3 cr)			SE102	Solar Energy Design	3
CM115 Public Speaking (3 cr) or			SE103	Solar Energy Operations & Maintenance	3
CM240 Interpersonal Communication (3 cr)			SE201	Advanced Solar Energy Design	3
<i>Humanities Requirement (1 area required)</i>		3	SE202	Advanced Solar Energy Installation	3
Art	Humanities		SE203	Solar Energy System Commissioning	3
Music	Literature		SE204	Solar Energy Advanced Operations & Maintenance	3
Theatre	Philosophy		WE105	Employability Skills, Safety, & Blueprint Reading	3
Foreign Language	History		WE110	Electrical Theory	3
<i>Mathematics Requirement</i>		3	WE210	Electronics	3
MA104 Technical Math (3 cr) or			WE250	Data Acquisition & Communications	3
MA110 Intermediate Algebra (3 cr) or					
Mathematics General Education Course					
<i>Natural Science Requirement</i>		4	Elective Courses		
SC107 Meteorology (4 cr) or			BE160	Business Accounting	3
SC137 Natural Hazards and Disasters (3 cr) and			BE170	Business Statistics	3
SC138 Natural Hazards and Disasters Lab (1 cr) or			CS108	Computer Applications	3
SC146 Environmental Science & Conservation (3 cr) and			CS140	Introduction to Robotics	3
SC147 Environmental Science & Conservation Lab (1 cr)			CS155	Networking and Computer Technology	3
<i>Social/Behavioral Science Requirement</i>		3	MG102	Introduction to Entrepreneurship	3
<i>(1 area required)</i>			SC109	Applied Physics	3
Economics	Anthropology		UA100	Introduction to sUAS	3
Psychology	Political Science		UA110	sUAS Ground School	3
Sociology	Geography		WE100	Introduction to Wind Energy	3
			WE225	Motors, Generators, PLC's	3
			WE230	Substation & Voltage Regulation	3
			WE270	Transformer Theory	3
			WE280	Wind Energy Technology Internship	1-4

