

RENEWABLE ENERGY

Substation Technician 33-Hour Certificate

General Education Required Courses 6 cr

<i>Communication Requirement</i>	3
CM101 English Composition I (3 cr) or	
CM120 Survey of Technical Writing (3 cr) or	
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 Substation Courses 24 cr

WE105	Employability Skills, Safety, & Blueprint Reading	3
WE110	Electrical Theory	3
WE202	Electrical Power Delivery	3
WE215	Electrical System Protection & Coordination	3
WE225	Motors, Generators, PLC's	3
WE230	Substation & Voltage Regulation	3
WE250	Data Acquisition & Communications	3
WE270	Transformer Theory	3

Elective Courses 3 cr

SE100	Introduction to Solar Energy	3
UA110	sUAS Ground School	3
WE100	Introduction to Wind Energy	3
WE210	Electronics	3

