

Programs of Study - Career

WIND ENERGY

SUBSTATION TECHNICIAN CERTIFICATE

33 Hour Certificate

Required General Education Courses (3 credits)

MA110 Intermediate Algebra..... 3

Required Major Courses (30 credits)

WE105 Employability Skills, Safety, Blueprint Reading 3
WE110 Electrical Theory 3
WE202 Electrical Power Delivery..... 3
WE210 Electronics..... 3
WE215 Electrical System Protection & Coordination..... 3
WE225 Motors, Generators, & PLCs..... 3
WE227 PLCs..... 3
WE230 Substation & Voltage Regulation 3
WE250 Data Acquisition and Communication..... 3
WE270 Transformer Theory..... 3

Optional

WE280 Wind Energy Techonology Internship..... 4

WIND ENERGY BLADE REPAIR (COMPOSITES)

16 Hour Certificate

Required General Education Courses (3 credits)

CM120 Survey of Technical Writing 3

Required Major Courses (13 credits)

WE100 Introduction to Wind Energy..... 3
WE255 Airfoils and Composite Repair..... 3
WE257 Applied Airfoils 3
WE262 Blade Repair Operations 4

