

RENEWABLE ENERGY

Wind Energy Technology 33-Hour Certificate

General Education Required Courses 6 cr

Communication Requirement 3
 CM101 English Composition I (3 cr) **or**
 CM120 Survey of Technical Writing (3 cr)

Mathematics Requirement 3
 MA104 Technical Math (3 cr) **or**
 MA110 Intermediate Algebra (3 cr) **or**
 Mathematics General Education Course

Required Wind Energy Courses 21 cr

WE100 Introduction to Wind Energy 3
 WE110 Electrical Theory 3
 WE120 Hydraulics 3
 WE150 Mechanical Systems 3
 WE210 Electronics 3
 WE225 Motors, Generators, PLC's 3
 *WE265 Field Training & Project Operations 3

Elective Courses 6 cr

CS140 Introduction to Robotics 3
 CS155 Networking & Computer Technology 3
 SE100 Introduction to Solar Energy 3
 UA100 Introduction to sUAS 3
 UA110 sUAS Ground School 3
 WE230 Substation & Voltage Regulation 3
 WE250 Data Acquisition & Communications 3
 WE255 Airfoils and Composite Repair 3
 WE280 Wind Energy Technology Internship 1-4

*Must have a physical on file prior to enrolling in this course.

