Wind Energy

Introduction to Electrical Circuits (7.5 Hours)
(Module ID 261031; from Electrical Level One, Seventh Edition)
Trainee $20
Instructor $20

Electrical Theory (7.5 Hours)
(Module ID 261041; from Electrical Level One, Seventh Edition)
Trainee $20
Instructor $20
ISBN 978-0-13-257811-0

Electrical Test Equipment (5 Hours)
(Module ID 261121; from Electrical Level One, Seventh Edition)
Trainee $20
Instructor $20

Electrical Wiring (10 Hours)
(Module ID 261061; from Electrical Level One, Seventh Edition)
Trainee $20
Instructor $20
ISBN 978-0-13-272960-4

Introduction to Wind Energy (Module ID 581011) has been approved for 15 general continuing education hours under GBCI’s Credential Maintenance Program.

Climbing Wind Towers (40 Hours)
(Module ID 581031) Covers all aspects of climbing wind turbine lattice towers and tubular towers. Discusses proper climbing equipment and equipment inspection, environmental hazards, proper climbing techniques, and common wind turbine safe climbing guidelines.

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Introduction to Hydraulic Systems (10 Hours)
(Module ID 581011) Covers all aspects of common hydraulic systems, including fluids, system components, and pumps. Presents the principles of hydraulic system operation and the related components. Simple hydraulic system maintenance is also introduced.

Fasteners and Torquing (20 Hours)
(Module ID 581081) Presents comprehensive coverage of wind turbine fasteners and their required characteristics. Covers torque theory, torquing, tensioning, and hydraulic torquing equipment. Presents the use and care of all significant torquing and tensioning tools. The use of taps and dies is also introduced.

Lubrication (12.5 Hours)
(Module ID 581091) Explores basic lubrication theory and related equipment. Includes the different applications and types of lubricants used in the wind turbine environment. Reviews OSHA’s hazard communication program and the EPA’s hazardous waste control program. Includes in-depth coverage of material safety data sheets.

Introduction to Bearings (15 Hours)
(Module ID 322070; from Industrial Maintenance Mechanic Level Two)
Trainee $20
Instructor $20

Climbing Wind Turbines (10 Hours)
(Module ID 581031) Present comprehensive coverage of wind turbine safety and their required characteristics. Covers torque theory, torquing, tensioning, and hydraulic torquing equipment. Presents the use and care of all significant torquing and tensioning tools. The use of taps and dies is also introduced.

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