Lake Land College

Renewable Energy Management

(CRT.REMG) Certificate

Manufacturing

You might also like:

Workforce Ready

- Advanced Automation & Control Technology – page 21
- CNC Operator – page 41
- CNC Programmer – page 42
- Computer-Aided Design – page 48
- Computer-Aided Drafting – page 49
- Computer Integrated Manufacturing Technology – page 45
- Electronic Control Technology – page 64
- Electronic Systems Specialist – page 66
- Industrial Maintenance – page 79
- Instrumentation & Control Technology – page 80
- Mechanical-Electrical Technology – page 100
- Programmable Logic Controllers – page 118
- Renewable Energy – page 121
- Renewable Energy Management – page 123
- Sustainable Energy – page 125
- Welding Technology – page 129

This program prepares students for entry level into the field of renewable energy sales, marketing, management, and administration. Emphasis is placed on "green" technologies including electricity, wind, photovoltaics, solar thermal, bioenergy, energy efficiency, and smart grid technology. There is a critical skill shortage of trained workers knowledgeable with issues relating specifically to renewable energy and who can act in support roles.

Program requirements may change over time. Specific degree/graduation requirements are determined by the students' degree audit.

FIRST YEAR

First Semester		Hours
☐ BUS 142	Introduction to Business	3
☐ ENG 120	Composition I * *or*	
BUS 141	Business Communications *	3
☐ ECO 231	Principles of Economics I *or*	
BUS 247	Principles of Marketing	3
☐ TEC 057	Introduction to Renewable Energy	3
☐	Technical Elective **	3
	SEMESTER TOTALS	**15**

Second Semester		
☐ TEC 053	Technical Project Management	3
☐ ECO 232	Principles of Economics II * *or*	
BUS 251	Principles of Management *or*	
SPE 111	Introduction to Speech Communications	3
☐ TEC 058	Alternative Energy	3
☐	Technical Electives	6
	SEMESTER TOTALS	**15**

SUGGESTED ELECTIVES

☐ EET 065	Home Technology/Integration	3
☐ EET 070	Photovoltaic Technician	2
☐ WND 040	Introduction to Wind Technology	3
☐ WND 041	Wind Technology Maintenance I *	3
☐ WND 042	Tower Rescue and Competent Climber *	0.5
☐ TEC 057	Introduction to Renewable Energy	3
☐ TEC 058	Alternative Energy	3
☐ TEC 059	Weatherization Technician/Installer	3
☐ TEC 061	Solar Energy	3
☐ TEC 062	Solar Thermal Applications	2
☐ TEC 063	Electric Power Distribution *	3
☐ TEC 064	Bioenergy	3
☐ TEC 065	Energy Efficiency	3
☐ TEC 066	Resource Sustainability	3
☐ TEC 067	Smart Grid Introduction	3
☐ TEC 068	Special Topics in Renewable Energy	0.5 – 5
☐ TEC 069	Site Assessment for Renewable Energy	2
☐ CAD 063	Wind Energy Design	3
☐ CAD 056	CAD I	2
☐ EET 069	Residential Wiring I *	3
☐ EET 072	Industrial Control I *	2
☐ EET 086	Programmable Logic Controllers I *	2
☐ IND 044	Fluid Power	3
☐ IND 062	Rigging and Hoisting	1
☐ MET 043	Motors and Generators *	2.5
☐ MTT 050	Introduction to Machining Procedures	3
☐ TEC 040	Blueprint Reading for Industry	2.5
☐ IND 042	Pipefitting Procedures	1
☐ WEL 056	Metal Cutting and Fabrication *	2
	TOTAL PROGRAM HOURS	**30**

* There are prerequisites, course requisites or minimum placement test scores for this course

** Electives must be approved by Program Coordinator

For more information regarding related occupations, graduation rates and program costs, go to www.lakelandcollege.edu, link to Academic Programs and select Gainful Employment Information.

Call Counseling Services: 217-234-5232
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NOTES: