

Wind Energy Technology Degrees and Certificates

Schedule for Spring 2011

You can now earn a degree and certificates in the Wind Energy Technology program which will prepare you for entry level employment as wind energy equipment technicians, often referred to as Wind Smiths. The program is focused on the maintenance and repair of commercial wind turbines; gear boxes, generators, digital controllers, and other industrial maintenance skills.

Wind Energy Technology Degree

ENY 175 Introduction to Wind Energy Technology	3
• 002 M 5:30 - 8:35 PM • 201 W 9 -11:45 AM (ARVADA)	
IMA 100 Introduction to Industrial Maintenance	3
• 201 T 5-8PM (ARVADA)	
EIC 124 Electrical Safety Requirements	1
• 601 S 8-4:30 PM 2/12 & 2/19	
OSH 175 Personal Safety for the Energy Industry	3
• 601 FS 8AM-5PM 4/8-4/23	
HVA 105 Electricity for HVAC/R	4
• 001 T 1-5:50 PM • 002 M 6-10:05 PM • 003 T 5:30 - 9:35 PM • 004 2 5:30 - 9:35 PM • 601 F 6-10:05 PM	
ENT 106 Print Reading	3
IMA 120 Pumps, Seals and Rotating Equipment	3
• 201 W 5-8 PM (ARVADA)	
IMA 250 Industrial Machine Lubrication	3
• 201 R 5-8 PM (ARVADA)	
MIL 107 Installing Belts, Chain Drives And Bearings	4
ENT 238 Fluid Power and Controls	3
EIC 160 Electrical Instruments and Measurements	4
• 001 T 6-10:05	
EIC 220 Industrial Electrical Controls I	4
• 001 T 6-10:05 PM	
*Advisor Approved Electives from HVA, and/or IMA prefixes	3

Internship or Electives

General Education Courses - Multiple Course Sections Offered. Consult the Fall 2010 Red Rocks Schedule at www.rrcc.edu/schedule.

CIS 118 Introduction to PC Applications	3
BUS 118 Business Survival Skills	3
ENG 121 English Composition I	3
MAT 107 Career Math	3
PHY 107 Energy Science and Technology	4
SOC 101 Introduction to Sociology	3
Or	
PSY 101 General Psychology I	3

Total General 22
Total Degree Credits 60

Introduction to Wind Energy Technology Certificate

ENY 175 Introduction to Wind Energy Technology	3
• 002 M 5:30 - 8:35 PM • 201 W 9 -11:45 AM (ARVADA)	
IMA 100 Introduction to Industrial Maintenance	3
• 201 T 5-8PM (ARVADA)	
HVA 105 Electricity for HVAC/R	4
• 001 T 1-5:50 PM • 002 M 6-10:05 PM • 003 T 5:30 - 9:35 PM • 004 2 5:30 - 9:35 PM • 601 F 6-10:05 PM	
EIC 124 Electrical Safety Requirements	1
• 601 S 8-4:30 PM 2/12 & 2/19	
OSH 175 SpTp: Personal Safety for the Energy Industry	3
• 601 FS 8AM-5PM 4/8-4/23	

Total Credits 14

Wind Energy Safety Certificate

EIC 124 Electrical Safety Requirements	1
• 601 S 8-4:30 PM 2/12 & 2/19	
OSH 175 Personal Safety for the Energy Industry	3
• 601 FS 8AM-5PM 4/8-4/23	

Total Credits 4

Wind Energy Advanced Electrical Certificate

PPT 215 Power Generation Technology	3
IMA 150 Industrial Problem Solving Methods	2
• 201 W 5-8 PM (ARVADA)	
EIC 230 Industrial Instrumentation and Controls	4
• 001 R 6-10:05 PM	
EIC 225 Programmable Controllers	4
Total Credits	13

Wind Energy Basic Electro-Mechanical Certificate

ENT 106 Print Reading	3
IMA 250 Industrial Machine Lubrication	3
• 201 R 5-8 PM (ARVADA)	
MIL 107 Installing Belts, Chain Drives And Bearings	4
IMA 120 Pumps, Seals and Rotating Equipment	3
• 201 W 5-8 PM (ARVADA)	
ENT 238 Fluid Power and Controls	3
EIC 220 Industrial Electrical Controls I	4
• 001 T 6-10:05 PM	
EIC 160 Electrical Instruments and Measurements	4
• 001 T 6-10:05 PM	
Total Credits	24

Wind Energy Advanced Mechanical Certificate

IMA 150 Industrial Problem Solving Methods	2
• 201 W 6-8 PM (ARVADA)	
MAC 105 Intro to Machining Technology	3
• T 5-9 PM (WARREN TECH) 1/18-5/10	
WEL 131 Introduction to Industrial Welding	4
• T 5-9 PM (WARREN TECH)	
IMA 210 Vibration Analysis	3
Total Credits	12



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For more information about Wind Energy Technology:

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