Certificate

Mining (985)

About Our Program

The Mining Certificate is structured to train and educate supervisors and electricians to work in a very technical, computerized environment. The curriculum has been designed by mining employers to provide the skills and competencies needed by today's miners.

Well-equipped laboratories provide "hands-on" experience to reinforce technical subject material. This training is very important as it exposes the student to trouble-shooting techniques used in the field. There is a strong laboratory component in each technical class. Computers are an integral part of each class.

Both day and evening classes are taught in order to provide students with scheduling flexibility.

Opportunities For Employment

Mining personnel have indicated they need employees with these skills. The mining industry needs new miners as 55% of today's miners are 45 years old or older and will be retiring soon. Since 51% of the electricity in the United States is generated using coal, there will be a continuing need for coal miners.

Special Considerations

Credit may be given for previous work experience and certifications. Although the program is designed to educate and train miners entering the mining industry, the certificate offers increased skill levels and knowledge for experienced miners as well. Miners desiring promotion to upper level managerial positions should also take advantage of this excellent opportunity.

Program Contacts

Faculty Contact: Mr. Tommy Clements

		Lec Hrs.	Lab Hrs.	Crse Cr.
General Education and Core Courses				
ENG 100	Basic Occupational Communication	3	0	3
EMT 105[2]	First Responder	3	0	3
IND 108	Technical Computer Apps	2	2	3
IND 137	Team Concepts and Problem Solving	3	0	3
MTH 105	Survey of Tech. Math I	2	0	2
MIN 195	Intro to Mining	3	0	3
MIN 287[1]	New Miner Training UG	2	0	2
MIN 288	New Miner Training Surface	1	0	1
SAF 126	Principles of Industrial Safety	3	0	3
SDV 100	College Success Skills	1	0	1
	Total			**24**
Mine Electrician Option				
ELE 239	Programmable Controllers	2	2	3
ETR 295	Topics in Advanced Motor Controls	3	0	3
MEC 155	Mechanisms	2	0	2
MEC 266	Fluid Mechanics	3	0	3
MIN 131[3]	Mine Electricity I	3	3	4
MIN 132	Mine Electricity II	3	3	4
MIN 295	Topics in Mine Machinery Operation & Maintenance	3	0	3
WEL 100	Fundamentals of Welding	2	3	3
	Total			**25**
49 credits required to graduate				
Mine Management Option				
BUS 111	Prin of Supervision I	3	0	3
BUS 200	Principles of Mgt.	3	0	3
ENV 227	Environmental Law	3	0	3
MIN 228[4]	Mine Foreman and Ventilation Training	3	3	4
MIN 190	Coord. Internship in Mine Management	0	15	4
PSY 120	Human Relations	3	0	3
	Total			**20**
44 credits required to graduate				

[1]Credit for MIN 287 and/or MIN 288 may be given for current New Miner Certification.
[2]HLT 119 may substitute for EMT 105.
[3]Credit for MIN 131 and/or MIN 132 may be given for current Mine Electrician Certification. [4] Credit for MIN 228 may be given for current Mine Foreman certification.