ELECTRICAL TRADES – AUTONOMOUS EQUIPMENT TECHNICIAN

Certificate, 23-29 Credit Hours, 9-Month Program

The Electrical Trades – Autonomous Equipment Technician certificate program provides in-depth instruction in the skills required to install, commission, and maintain electrical and mechanical systems. The Autonomous Equipment Technician will bridge the gap between basic mechanical systems and advanced IT systems. Principles of electricity, networking, welding, and mechanical skills will provide a foundation for various autonomous systems.

Course	No.	Course Title	Credits
		Technical Requirements	
CIS	131	NETWORKING TECHNOLOGIES I	3
IEL	105	INTRODUCTION TO INDUSTRIAL ELECTRONICS	4
MEC	105	FUNDAMENTALS OF AUTONOMOUS EQUIPMENT APPLICATION	3
MEC	130	MECHANICAL BASICS	3
MEC	140	MSHA NEW MINER TRAINING	2
MEC	150	AUTONOMOUS TECHNOLOGY	6
MEC	199	INTERNSHIP (OPTIONAL)	6
WDM	100	WELDING AND FABRICATION FOR GENERAL APPLICATIONS	2
		Total	**23-29**

*Graduation Requirement: OSHA 10 General Industry Certificate

Semester Breakdown Certificate

First Semester		CR	Second Semester		CR
CIS 131	Networking Technologies I	3	MEC 140	MSHA New Miner Training (1st week)	2
IEL 105	Introduction to Industrial Electronics	4	MEC 150	Autonomous Technology (1st 8 weeks)	6
MEC 105	Fundamentals of Autonomous Equipment Application	3	MEC 199	Internship (2nd 8 weeks) *optional*	6
MEC 130	Mechanical Basics	3			
WDM 100	Welding and Fabrication for General Applications	2			
Total Credit Hours		**15**	**Total Credit Hours**		**8-14**

If you are or have been convicted, pleaded guilty or no contest to, or received a suspended imposition of sentence for a felony or certain misdemeanors, you are advised that you may not be able to complete all course requirements for your chosen program, you may be prevented from taking required certification/licensure examinations in your chosen program field, and you may be prevented from gaining employment in your program field.