

Electromechanical Technology Skill Sets

Dept.		Industrial Maintenance Course Title	Sem. Hrs.
CIS	217	Industrial Maintenance Fundamentals	3
CIS	218	Maintenance Applications*	3
WTT	110	Wind Safety and OSHA	4

\*Note: Course requires ELM 217 as a prerequisite.

Upon successful completion of the skill set, the graduate will be able to:

- Discuss OSHA standards for safety and health issues, and how they apply to an industrial workplace environment
- Demonstrate knowledge of working with industrial mechanical, fluid, and electrical systems
- Apply proper techniques and practices when using hand and power tools, materials, and equipment for industrial maintenance, repair, and troubleshooting of a variety of systems, equipment, and components

Dept.		Electricity Course Title	Sem. Hrs.
WTT	120	DC/AC Circuits	4
WTT	150	Industrial Motor Controls	4
WTT	160	Power Generation & Transmission	4

Upon successful completion of the skill set, the graduate will be able to:

- Analyze direct current (DC) and alternating current (AC) circuits
- Understand the operation of transformers
- Demonstrate proficiency in wiring industrial motor control circuitry
- Use trainers and computer analyzing software to understand 3-phase power generation, transmission, and distribution