



Business and industry have a critical need for professionals who are trained in electrical and mechanical technologies. Recognizing this need, OSU Institute of Technology and the MidAmerica Industrial Park have partnered so those in Northeast Oklahoma have the training and skills necessary to meet those industry needs.

The Electromechanical Technology program prepares students for high wage job opportunities in many different areas. Our graduates play a key role in keeping our high-tech world running. They build, program and maintain the systems and processes in a variety of industries. Students experience a multidisciplinary program that allows them to be a highly productive team member, often bridging the gap between the engineer and the layperson that is charged with maintaining the systems.

The programs and courses offered at the MidAmerica site continue the 70 plus year mission of OSU Institute of Technology in Okmulgee – a hands-on education taught by industry-proven faculty using industry-standard equipment and technology.

The OSUIT facility at MidAmerica is dedicated to the adult working population, whether they be incumbent workers or recent high

school students who see the opportunities in this field but need to work while also attending school. Class schedules are flexible and are offered at times working people can attend.

EMPLOYMENT & PLACEMENT DEMAND

Because of the level of skill and responsibility required, positions in the area of electromechanical technology usually offer above average pay and benefits, in both large and small companies as they continue to install high-tech production systems. Often graduates from this program are provided with opportunities for advancement into management positions. Typical starting titles include: Control Systems Technician, Instrumentation & Electrical Technician.

FACILITIES & EQUIPMENT

Corporate support of the program allows for current industry standard equipment in the classroom, which provides an authentic learning environment for students. Equipment such as state of the art motor control trainers, programmable logic controllers (PLC) and instrumentation equipment are used in the learning experience provided to OSU Institute of Technology students.

ELECTROMECHANICAL TECHNOLOGY (AAS)

INTERNSHIPS

The faculty and staff work with local companies to identify internship opportunities for each student. Each student in the Electromechanical Technology program is required to participate in an internship with a company of their choice, most often with one of the companies located within the MidAmerica Industrial Park. These internships are structured to provide valuable hands-on real-world workplace experiences prior to graduation. Often times, students find employment after graduation with the same company with which they interned.

FINANCIAL ASSISTANCE

Financial aid is available for those who qualify. Staff is available to assist you with accessing federal, state and institutional aid as well as scholarships and sponsorships. To apply for financial aid, a student can apply online at fafsa.ed.gov. For institutional scholarships, visit OSU Institute of Technology online application website at osuit.edu/scholarships.

COURSES & REQUIREMENTS

CORE REQUIREMENTS: 21 credit hours

Introduction to Design/Drafting
DC Electronics & Metrology
AC Electronics & Photonics
Electronic Devices/Standards
Electrical Motors & Controls
Hydraulics & Pneumatics
Electrical Power Distribution

OPTION REQUIREMENTS: 25 credit hours

Workplace Safety
HVAC Fundamentals
Employment Orientation
Introduction to Electrical & Electronic Technologies
PLC Basics
Test Instruments & Troubleshooting

Introduction to Manufacturing
Introduction to Instrumentation
Introduction to PLCs
Maintenance Theory & Application
Mechanical Systems & Equipment
PLC Applications
Electronic Control Devices
Introduction to DCS Systems
Process Control
Motor Controls II
Internship

GENERAL EDUCATION REQUIREMENTS: 18 credit hours

Freshman Composition I
Freshman Composition II
College Algebra
Ethics
US History to 1865 or
US History Since 1865
US Government

TECHNICAL SUPPORT COURSES: 11 credit hours

Small Group Communications
Trigonometry
College Strategies
General Physics I



INSTITUTE OF TECHNOLOGY
MidAmerica Industrial Park

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