ELECTRICAL CONSTRUCTION TECHNOLOGIES

ASSOCIATE IN APPLIED SCIENCE (88 CREDIT HOURS)

The skills and education needed to make an excellent salary, work anywhere in the world, or start a business are as close as an AAS in Electrical Construction Technologies from OSUIT. The Electrical Construction Technologies program prepares graduates to become electricians and industry leaders.

The growing demand for licensed electricians creates an excellent opportunity for someone wanting to make a good living as an electrician. In the last several years, graduates who desired to work have received well-paying jobs, with an average starting salary of $35,000 to $65,000 a year.

This degree prepares the graduate to work in all areas of the electrical industry – as a residential, commercial, or industrial electrician, field safety engineer or national electrical code inspector, or in estimating and design.

Graduates may work as:

- an electrical apprentice for an electrical contractor;
- a design and engineering assistant for an engineering firm;
- a maintenance electrician for a manufacturing plant; or
- a substation electrician.

Those who advance and earn a journeyman and then electrical contractor license can earn a higher salary at each level.

During the program, students experience two half-semester internships at a company where they commonly make approximately $16.00 an hour. These internships are a great way to help pay for tuition; however, other financial help is also available.

This program of study requires special program fees beyond OSUIT's current tuition and mandatory fees.

For more detailed information regarding OSUIT's Electrical Construction Technologies program – including the required tool list – please contact a program advisor at 918-293-5150 or visit osuit.edu/electricalconstruction.

PROGRAM REQUIREMENTS: 69 CREDIT HOURS

TECHNICAL COURSE REQUIREMENTS (69 CREDIT HOURS)

CNS	1213	Construction Safety OSHA 30 Hour
CNS	1263	Construction Blueprints & Specifications
CNS	2413	Mechanical Systems
CNS	2806	Construction Internship [P]
CNS	2906	Construction Internship [P]
ECNT	1013	Introduction to the Electrical Trades
ECNT	1103	DC & AC Circuit Analysis
ECNT	1113	Basic Electrical Wiring Methods
ECNT	1213	Alternative Energy [P]
ECNT	1233	Electrical Motors & Controls [P]
ECNT	1253	Electrical Wiring Methods I – Residential
ECNT	1313	National Electrical Codes [P]
ECNT	2123	Electrical Calculations [P]
ECNT	2203	Testing & Commissioning [P]
ECNT	2213	Electrical Motors & Controls II [P]
ECNT	2473	Electrical Wiring Methods II – Commercial [P]
ECNT	2533	Electrical Wiring Methods III – Industrial [P]
ECNT	2603	Electrical Construction Capstone Experience [P]
ECNT	2613	Programmable Logic Controllers (PLC) for Electricians [P]
SEIM	1233	Instrumentation & Controls

Approved Technical Elective (3 credit hours)

Selected from technical courses not utilized to meet other program requirements, as approved by the program advisor.

GENERAL EDUCATION REQUIREMENTS: 18 CREDIT HOURS

AMERICAN HISTORY & GOVERNMENT (6 CREDIT HOURS)

HIST	1483	US History to 1865 *or*
HIST	1493	US History since 1865
POLS	1113	US Government

COMMUNICATIONS (6 CREDIT HOURS)

Select from courses listed below or others as approved by program advisor.

ENGL	1033	Technical Writing I *or*
ENGL	1113	Freshman Composition I
SPCH	1113	Introduction to Speech Communications *or*
SPCH	2313	Small Group Communications

COMPUTER LITERACY (3 CREDIT HOURS)

CS	1013	Computer Literacy & Applications

MATHEMATICS (3 CREDIT HOURS)

Select from courses designated with an "A," including, but not limited to, courses listed below.

MATH	1493	Math for Critical Thinking (A)
MATH	1513	Pre-Calculus (A)

INTERDEPARTMENTAL REQUIREMENTS: 1 CREDIT HOUR

ORIENTATION (1 CREDIT HOUR)

ORIE	1011	College Strategies

[C],[P]: Course has [C]orequisite and/or [P]rerequisite requirement(s). See Course Description for details.