

The Electrical Technology Program offers a variety of options for people seeking entry-level electrician positions in industry and the building trades as well as currently employed individuals who wish to enhance their skills.

ACTC offers a diploma and eight certificates that prepare students for specific job categories or titles. Certificate and diploma credits may be applied toward a Degree in General Occupational/Technical Studies. See a program advisor for details.

TOPICS OF STUDY

The study of electrical theory and practical application of that theory is program's foundation, with laboratory and classroom instruction on:

Major Units:

- AC and DC Circuit Theory
- Industrial Electronic Circuits
- Industrial, Commercial & Residential Wiring Systems
- National Electric Code
- Designing & Estimating Electrical Systems
- Rotating Machinery & Transformers
- Electrical Motor Controls
- Programmable Logic Controllers
- Voice & Data Installations
- Maintaining Electrical Systems
- Industrial Safety

Industrial electricity focuses on industrial electrical construction and residential electricity concentrates on residential electrical construction.

EMPLOYMENT OPPORTUNITIES

Electricians may be employed in electrical maintenance, electrical construction and residential or commercial construction. Some graduates may work for electrical companies or they may be self-employed. Numerous fields of specialization are open to the highly skilled electrician.

FOR MORE INFORMATION:



ASHLAND.KCTCS.EDU
CLICK >> EDUCATION & TRAINING
>> FIND YOUR PROGRAM



HAROLD HENRY
PROGRAM COORDINATOR
HAROLD.HENRY@KCTCS.EDU



(606) 326-2476 OR (606) 326-053



TECHNOLOGY DRIVE CAMPUS
902 TECHNOLOGY DRIVE, GRAYSON, KY 41143



GAINFUL EMPLOYMENT INFORMATION

For more information about graduation rates, the median debt of students who completed the program, and other important data on this program, visit ACTC's website at Ashland.KCTCS.edu/Education-Training/Program-Finder/Gainful-Employment-Disclosures.aspx

COLLEGE ACCREDITATION

Ashland Community and Technical College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Ashland Community and Technical College. Note: The Commission is to be contacted only if there is evidence that appears to support an institution's significant non-compliance with a requirement or standard.

ACTC IS AN EQUAL EDUCATIONAL AND EMPLOYMENT OPPORTUNITY INSTITUTION.

JULY 2018

ELECTRICAL TECHNOLOGY



ASSOCIATE DEGREE, DIPLOMA AND CERTIFICATE PROGRAMS

Technology Drive Campus



DIPLOMA PROGRAM INDUSTRIAL ELECTRICIAN

Required	Credit Hours
Area 1:	
Written Communication, Oral Communications OR Heritage/Humanities	3
Area 2:	
MAT 116 Technical Mathematics, MAT 126 Technical Algebra & Trigonometry OR A Higher Level Quantitative Reasoning Course	3
Subtotal	6
Technical Core	
Digital Literacy	0-3
EET 119 Basic Electricity	5
EET 154 Electrical Construction I	2
EET 155 Electrical Construction I Lab	2
EET 252 Electrical Construction II	2
EET 253 Electrical Construction II Lab	2
EET 264 Rotating Machinery	2
EET 265 Rotating Machinery Lab	2
EET 270 Motor Controls I	2
EET 271 Motor Controls I Lab	2
EET 272 Motor Controls II	2
EET 273 Motor Controls II Lab	2
EET 276 Programmable Logic Controllers	2
EET 277 Program. Logic Controllers Lab	2
EET 250 National Electrical Code	4
Technical Core Electives	4-5
Technical Electives	9
TOTAL CREDIT HOURS REQUIRED	54-57

*NOTE: Technical Core Classes require a minimum of a "C."
Program requirements may change to reflect new technologies.
Check with an advisor before registering.*

CERTIFICATE PROGRAMS

ELECTRICIAN TRAINEE - LEVEL I

Required: EET 119; and Technical Electives

Total Credits 8

ELECTRICIAN TRAINEE - LEVEL II

Required: EET 119; and Technical Electives

Total Credits 13

ELECTRICAL CONSTRUCTION

Required: EET 119; EET: 150, 151, 154, 155,
252, 253, 264, 265, 270, 271

Total Credits 31-33

ELECTRICAL MOTOR CONTROL - LEVEL I

Required: EET 119; EET 150, 151, 264, 265, 250, 270,
271; Digital Literacy

Total Credits 23

ELECTRICAL MOTOR CONTROL - LEVEL II

Required: EET 119; EET: 150, 151, 264, 265, 250, 270,
271, 272, 273, 276, 277; and Digital Literacy

Total Credits 34

RESIDENTIAL ELECTRICITY - LEVEL I

Required: EET 119; EET: 154, 155

Total Credits 14

RESIDENTIAL ELECTRICITY - LEVEL II

Required: EET 119; EET: 154, 155, 250, 252, 253

Total Credits 21-22

VOICE & DATA WIRING INSTALLER - LEVEL I

Required: EET: 154, 155; ETT: 110; ETT 112, ETT 113; and Digital Literacy

Total Credits 15



ELECTRICAL TECHNOLOGY Application Checklist

1 Submit an Application for Admission, online,
at Ashland.KCTCS.edu.

Submit to the Admissions Office:

- An official high school transcript, with graduation date, or GED scores
- Official transcripts from other colleges or universities you have attended, including those for dual credit courses
- Placement test scores (ACT, KYOTE) or complete placement testing

3 Attend orientation and meet with an advisor
to schedule classes.

Financial Aid is available for those who qualify.

- Please fill out a FAFSA at www.FAFSA.ed.gov.
- Please speak with a financial aid specialist to receive counseling, if appropriate.

5 Pay tuition and fees
before published
cancellation deadlines.
More information regarding
tuition rates can be found on
our website at:
[Ashland.KCTCS.edu
/Affording-College/index.aspx](http://Ashland.KCTCS.edu/Affording-College/index.aspx)

