

SCHOOL OF INDUSTRIAL TECHNOLOGY

Electrical Systems Technology Diploma (ES12)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program..... 4 Terms
 Credit Hours Required for Graduation 43

Purpose: The Electrical Systems Technology diploma program provides instruction in the inspection, maintenance, installation, and repair of electrical systems in the residential, commercial, and industrial industries. A combination of theory and practical application is emphasized to develop academic, technical, and professional knowledge and skills.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® students seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

Basic Skills Courses

Total 9 credit hours

COLL	1010	College and Career Success Skills	3
ENGL	1010	Fundamentals of English I	3
MATH	1012	Foundations of Mathematics	3

Occupational Courses

Total 26 credit hours

ELTR	1020	Alternating Current Fundamentals	3
ELTR	1060	Electrical Prints, Schematics, and Symbols	2
ELTR	1080	Commercial Wiring I	4
ELTR	1090	Commercial Wiring II	3
ELTR	1180	Electrical Controls	4
ELTR	1525	Photovoltaic Systems	5
IDFC	1007	Industrial Safety Procedures	2
IDFC	1011	Direct Current I	3

Completion of the following specialization is required:

Electrical Construction and Maintenance (8EC2)

Total 8 credit hours

ELTR	1205	Residential Wiring I	3
ELTR	1210	Residential Wiring II	3
ELTR	1520	Grounding and Bonding	2

Estimated cost of books and supplies for full program is approximately \$1,500.

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Commercial Wiring Certificate (CW31)

Offered at Clarkesville Campus

Entrance Dates	Fall
Length of Program.....	2 Terms
Credit Hours Required for Graduation	17

Purpose: The Commercial Wiring certificate program provides instruction in the knowledge and skills necessary to perform wiring functions in a commercial setting. Topics include safety practices, blueprint and schematic reading and interpretation, and wiring procedures and practices.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® students seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

ELTR	1020	Alternating Current Fundamentals	3
ELTR	1060	Electrical Prints, Schematics, and Symbols	2
ELTR	1080	Commercial Wiring I	4
ELTR	1090	Commercial Wiring II	3
IDFC	1007	Industrial Safety Procedures	2
IDFC	1011	Direct Current I	3

Estimated cost of books and supplies for full program is approximately \$500.

Residential Wiring Technician Certificate (RW21)

Offered at Clarkesville Campus

Entrance Dates	Spring
Length of Program.....	2 Terms
Credit Hours Required for Graduation	16

Purpose: The Residential Wiring certificate program prepares students for employment in the construction industry as qualified residential wiring technicians. Topics include NEC regulations, blueprint reading, principles of direct and alternating current, and residential wiring procedures and practices.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® students seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

ELTR	1020	Alternating Current Fundamentals	3
ELTR	1060	Electrical Prints, Schematics, and Symbols	2
ELTR	1205	Residential Wiring I	3
ELTR	1210	Residential Wiring II	3
IDFC	1007	Industrial Safety Procedures	2
IDFC	1011	Direct Current I	3

Estimated cost of books and supplies for full program is approximately \$750.