

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.....43-46

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 or 11 credit hours

ELTR	1205	Residential Wiring I	3
ELTR	1210	Residential Wiring II	3
ELTR	1520	Grounding and Bonding	2
OR			
ELTR	1150	Interpreting the National Code	5

Estimated cost of books and supplies for full program is approximately \$1,500. OSHA Training fee \$120.

SCHOOL OF INDUSTRIAL TECHNOLOGY
Basic Electrical Technician Certificate (BE11)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring
 Length of Program 1 Term
 Credit Hours Required for Graduation 13

Purpose: The Basic Electrical certificate program provides fundamental instruction in electrical construction principles and practices. Topics include safety, mathematical applications, reading and interpreting blueprints, and direct and alternating current circuits.

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

			<u>Credit</u>
ELTR	1020	Alternating Current Fundamentals	3
ELTR	1060	Electrical Prints, Schematics, and Symbols	2
IDFC	1007	Industrial Safety Procedures	2
IDFC	1011	Direct Current I	3
MATH	1012	Foundations of Mathematics	3

Estimated cost of books and supplies for full program is approximately \$500. OSHA Training fee \$120.

Commercial Wiring Certificate (CW31)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring
 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

			<u>Credits</u>
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. OSHA Training fee \$120.

SCHOOL OF INDUSTRIAL TECHNOLOGY

Electrical Technician Certificate (ET51)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring
 Length of Program 2 Terms
 Credit Hours Required for Graduation..... 19

Purpose: The Electrical Technician certificate program provides training in basic electrical wiring skills enabling students to gain entry level employment in the construction and maintenance industry. Topics include basic electrical principles and practices, blueprint interpretation, industrial safety procedures, and residential wiring operations.

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

<u>Program Courses</u>			<u>Credits</u>
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
MATH	1012	Foundations of Mathematics	3

Estimated cost of books and supplies for full program is approximately \$500. OSHA Training fee \$120.

Photovoltaic Systems Installation and Repair Technician Certificate (PS11)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring
 Length of Program 1 Term
 Credit Hours Required for Graduation..... 15

Purpose: The Photovoltaic Systems Installation and Repair Technician certificate program individuals with the opportunity to enter the workforce area that specializes in electrical applications of installing, inspecting and repairing solar panels in the electrical industry.

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

<u>Program Courses</u>			<u>Credit</u>
ELTR	1020	Alternating Current Fundamentals	3
ELTR	1060	Electrical Prints, Schematics, and Symbols	2
ELTR	1525	Photovoltaic Systems	5
IDFC	1007	Industrial Safety Procedures	2
IDFC	1011	Direct Current I	3

Estimated cost of books and supplies for full program is approximately \$500. OSHA Training fee \$120.

SCHOOL OF INDUSTRIAL TECHNOLOGY
Residential Wiring Technician Certificate (RW21)

Offered at Clarkesville Campus

Entrance Dates Fall, 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

			<u>Credit</u>
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. OSHA Training fee \$120.