



## Electrical Systems Technology

Accelerated Career offers qualified students an alternate path to high school graduation. Students choose to simultaneously earn a high school diploma and a college Associate Degree, or a Technical Diploma, or two (2) Technical Certificates of Credit in a specific career pathway. The dual enrollment funding program cap of 30 credit hours applies.

Accelerated Career >>>

### Complete all required high school courses:

- 2 English: American Literature & Another
- 2 Math: Algebra 1 & Another
- 2 Science: Biology & Another
- 2 Social Studies
- 1 Health/PE

\*All required Milestone/EOC Exams

### Electrical Systems Technology

- NCCR Basic Electrical Systems Technician (BES1)
- + • NCCER Intermediate Electrical Systems Technician (IE61)

Location: Macon

Entry Points: Fall, Summer

Total Semesters Needed: 3-4

Total Credit Hours: 24

### Basic Electrical Systems Technician (BES1)

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 basic wiring operations.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
COFC 1080	None	Construction Trade Core	1	Fall & Summer	4
ELTR 1000	None	Fundamental Electrical Concepts	1	Fall & Spring	4
ELTR 1015	None	Intermediate Electrical Concepts I	1	Fall, Spring, Sum	4
<b>Total Hours:</b>					<b>12</b>

If you have additional questions contact us!



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A unit of the Technical College System of Georgia  
Equal Opportunity Institution

## Intermediate Electrical Systems Technician (IE61)

Serves as a continuation of the skills needed to be successful as an electrical systems technician. Topics include terminations and splices, circuit breakers and fuses, control systems, load calculations, conductors, lighting applications, hazardous locations, over-current protection, distribution equipment, transformers, commercial electrical services, motor calculations, and voice, data and video.

<i>Course #</i>	<i>Pre/Co. Req.</i>	<i>Course Requirements (In suggested sequence)</i>	<i>Seq.</i>	<i>Term Offered*</i>	<i>Credit Hours</i>
ELTR 1025	None	Intermediate Electrical Concepts II	2	Fall & Spring	4
ELTR 1035	None	Advanced Electrical Concepts I	2	Summer	4
ELTR 1055	None	Advanced Electrical Concepts II	2	Summer	4
<b>Total Hours:</b>					12

\*Successful completion of BES1 - Basic Electrical Systems Technician TCC is required before enrolling into this program.