



Alternative Diploma Pathway  
In Support of O.C.G.A., 20-2-149.2

Sustainable and Renewal Energy TCC PATHWAY  
Approved January 2023

18 Total Credit Hours

Students should complete two certificates: BE11 **OR** ESA1, and PS11.

First TCC: Choose One of the Following

BE11 – Basic Electrical Technician, TCC

|  |      |
|--|------|
| MATH 1012 – Foundations of Mathematics                 | 3 CH |
| IDFC 1007 – Industrial Safety Procedures               | 2 CH |
| ELTR 1060 – Electrical Prints, Schematics, and Symbols | 2 CH |
| <i>Select one of the following DC courses</i>          |      |
| IDFC 1011 – Direct Current I                           | 3 CH |
| IDSY 1101 – DC Circuit Analysis                        | 3 CH |
| ELTR 1010 – Direct Current Fundamentals                | 3 CH |
| <i>Select one of the following AC courses</i>          |      |
| IDFC 1012 – Alternating Current I                      | 3 CH |
| IDSY 1105 – AC Circuit Analysis                        | 3 CH |
| ELTR 1020 – Alternating Current Fundamentals           | 3 CH |

Total 13 Credit Hours

**OR**

ESA1 – Electrical Systems Assistant, TCC

|   |      |
|---|------|
| MATH 1012 – Foundations of Mathematics        | 3 CH |
| IDFC 1007 – Industrial Safety Procedures      | 2 CH |
| <i>Select one of the following DC courses</i> |      |
| IDFC 1011 – Direct Current I                  | 3 CH |
| IDSY 1101 – DC Circuit Analysis               | 3 CH |
| ELTR 1010 – Direct Current Fundamentals       | 3 CH |
| <i>Select one of the following AC courses</i> |      |
| IDFC 1012 – Alternating Current I             | 3 CH |
| IDSY 1105 – AC Circuit Analysis               | 3 CH |
| ELTR 1020 – Alternating Current Fundamentals  | 3 CH |

Total 11 Credit Hours

Second TCC:

PS11 – Photovoltaic Systems Installation and Repair Technician, TCC

*\*ELTR 1060 – Electrical Prints, Schematics, and Symbols* 2 CH

*\*IDFC 1007 – Industrial Safety Procedures* 2 CH

ELTR 1525 – Photovoltaic Systems 5 CH

*Select one of the following DC courses*

*\*IDFC 1011 – Direct Current I* 3 CH

*\*IDSY 1101 – DC Circuit Analysis* 3 CH

*\*ELTR 1010 – Direct Current Fundamentals* 3 CH

*Select one of the following AC courses*

*\*IDFC 1012 – Alternating Current I* 3 CH

*\*IDSY 1105 – AC Circuit Analysis* 3 CH

*\*ELTR 1020 – Alternating Current Fundamentals* 3 CH

Total 5 - 7 Additional Credit Hours

*\*Course exempted if taken as part of first TCC*

TCCs prepare students to receive OSHA 10 certification.