



**FLORIDA TECHNICAL COLLEGE**  
**PROGRAM: ELECTRICAL with PLC**  
**CREDENTIAL: DIPLOMA**  
**CREDIT HOURS: 64 QUARTER CREDITS / 48 WEEKS**

**CURRICULUM SEQUENCE**

Course Code	Title of Course	Credits
<b><u>LEVEL 1</u></b>		
CSKL1011	Safety and Craft Skills	6
CELE1111	Introduction to Electrical Trades	5
CELE1112	Raceway Systems & Electrical Construction Drawings	5
<b><u>LEVEL 2</u></b>		
CELE1113	AC & DC Motor Control	5
CELE1114	Circuit Breakers & Branch Circuits	5
CELE1115	Electrical Services & Transformers	5
CELE2113	Fundamentals of Emergency & Renewable Energy Systems	5
<b><u>LEVEL 3</u></b>		
CHVA2615	Digital Electronics	5
CPLC3015	Programmable Logic Controller (PLC)	8
CPLC3215	Programmable Logic Controller Units: Lab	5
<b><u>Level 4</u></b>		
CELE2111	Overcurrent Protection & Electrical Calculations	5
CELE2112	Electrical System Calculations	5
<b>TOTAL CREDITS</b>		<b>64</b>