



**FLORIDA TECHNICAL COLLEGE**  
**PROGRAM: HVAC/R WITH PLC**  
 CREDENTIAL: DIPLOMA  
 CREDIT HOURS: 71 QUARTER CREDITS  
 CONTACT HOURS: 920

**CURRICULUM SEQUENCE**

Course Code	Title of Course	Credits
<b><u>LEVEL 1</u></b>		
SKL1000	Safety and Craft Skills	6
HVA 1300	Applied Math for HVAC Technicians	5
HVA 1400	Introduction to Electricity (DC-AC)	5
HVA 1500	Introduction to Refrigeration and A/C	5
<b><u>LEVEL 2</u></b>		
HVA2050	Electrical Instrumentation: Lab	4
HVA2060	Mechanical Instrumentation: Lab	4
HVA1700	Refrigeration and A/C: Commercial	5
HVA1600	Refrigeration and A/C: Residential	5

<b><u>LEVEL 3</u></b>		
HVA2075	Residential Equipment: Lab	4
HVA1800	Heat Pumps and Related Systems	4
HVA2080	Commercial A/C Equipment: Lab	4
HVA2500	Environmental Protection Agency (EPA) Laws and Regulation	6
<b><u>LEVEL 4</u></b>		
HVA2600	Digital Electronics	4
PLC3000	Programmable Logic Controller (PLC)	6
PLC3001	Programmable Logic Controller Units - Lab	4
	<b><i>TOTAL CREDITS</i></b>	<b>71</b>

\*Key Courses: