



## Technical Certificate Energy Control Technology (35 ch)

### Program Description:

The Energy Control Technology program prepares individuals to apply technical knowledge and skills to repair, install, service and maintain the operating conditions of heating, air conditioning, and refrigeration systems. The program includes instruction in diagnostic techniques, the use of testing equipment and the principles of mechanics, electricity, and electronics as they relate to heating, air conditioning, and refrigeration systems.

Year 1					
First Semester			Second Semester		
Course No.	Course Name	Hours	Course No.	Course Name	Hours
ECT 1123	Basic Electrical Circuits	3	ECT 1213	Split Systems	3
ECT 1133	Basic Electrical Circuits Lab	3	ECT 1223	Split Systems Lab	3
ECT 1144	Introduction to Air Conditioning Systems	4	ECT 1243	HVACR Code Class	3
ECT 1253	Construction Trades Piping	3	ECT 1314	Residential Heat Pump Systems	4
MATH 1013	Mathematical Applications	3	ENG 1203	Workplace Essentials	3
<b>Total Hours</b>		<b>16</b>	<b>Total Hours</b>		<b>16</b>
Summer Term					
First Summer Term			Second Summer Term		
Course No.	Course Name	Hours	Course No.	Course Name	Hours
ECT 1323	Preventive Maintenance Technician	3			
<b>Total Hours</b>		<b>3</b>	<b>Total Hours</b>		