

**HVAC LIGHT COMMERCIAL & RESIDENTIAL SERVICE**  
**Short Term Certificate • 27 Credit Hours • Program Code: LCHS.S.STC**

**Semester 1 - Fall**

| <b>Subject Code</b> | <b>Course Number</b> | <b>Course Title</b>                           | <b>Credit Hours</b> | <b>Pre-requisites</b>          |
|---------------------|----------------------|---|---------------------|--------------------------------|
| CAT                 | 1111                 | Mechanical Systems Blueprint Reading          | 1                   | DEV 0010 & DEV 0024 & DEV 0032 |
| EET                 | 1120                 | Introduction to DC & AC Circuits              | 2                   | DEV 0024                       |
| HVA                 | 1201                 | Basic HVAC Systems with Cooling               | 3                   | DEV 0024 or Placement Test     |
| HVA                 | 1221                 | Heating Systems                               | 3                   | None                           |
| HVA                 | 1261                 | HVAC Loads & Distribution for Small Buildings | 4                   | None                           |
| MET                 | 1131                 | PC Applications for Engineering Technology    | 1                   | DEV 0012 & DEV 0022            |

**Total      14**

**Semester 2 - Spring**

| <b>Subject Code</b> | <b>Course Number</b> | <b>Course Title</b>                            | <b>Credit Hours</b> | <b>Pre-requisites</b>          |
|---------------------|----------------------|--|---------------------|--------------------------------|
| EET                 | 1139                 | Electrical Machinery                           | 3                   | EET 1120                       |
| EGV                 | 1401                 | Weatherization & Building Performance Training | 3                   | None                           |
| HVA                 | 1241                 | HVAC Installation Techniques & Practices       | 4                   | HVA 1201                       |
| HVA                 | 1401                 | HVAC Mechanical & Electrical Troubleshooting   | 3                   | HVA 1201 & HVA 1221 & MAT 1270 |

**Total      13**