

Class A CDL



The Air Conditioning, Heating and Refrigeration concentration, commonly referred to as HVAC, prepares graduates (AAS degree or certificate of completion) to enter the workforce as an entry-level service technician, installer, or maintenance technician.

This involves a personal journey into learning and understanding how A/C, Heating and Refrigeration equipment is designed to operate, how electrical motors operate using both electricity and magnetism, how controls are used to regulate the temperature, humidity, the introduction of fresh air, and the exhaust of stale air, how protection devices are used to protect expensive and vulnerable components how to troubleshoot problems, following a specific process, using a variety of meters and test instruments, how to design, install and commission a residential HVAC and duct system.

What Will I Learn?

Our program prepares students to operate tractor-trailer combinations, with special focus on safety, vehicle inspection, preventative maintenance and maneuvers in a variety of traffic situations and environments. The course gives participants an overview of the Class A Commercial Driver's License requirements and prepares them for a career in the commercial driving industry. In-depth coverage of the Pre-trip, in-cab air brake test and backward movements will allow students to demonstrate the safe operation of a commercial vehicle, perform required driving maneuvers, and comply with legal regulations. After classroom instruction and behind the wheel and on the road training, participants will be ready to take the Commercial Driver License driving examination at the Department of Public Safety.

"What Can I Do With This Course of Study?"

The Manufacturing and Industrial pathway concentrating on Heating, Ventilation, Air Conditioning and Refrigeration equips graduates with the knowledge and skills to travel down a multitude of diverse career paths. There are several sectors within the HVAC industry, including residential, commercial, industrial, distribution, and manufacturing. There are various opportunities within each of these sectors. For instance, the residential, commercial, and industrial sectors have service technicians, maintenance technicians, sales representatives, customer service representatives, service managers, sales managers, and office managers. Of course, there is also the opportunity for entrepreneurship: the opportunity to own an HVAC company.

The distribution and manufacturing sectors have career opportunities like warehouse specialists, parts counter service representatives, assembly line workers, sales representatives, inventory specialists, accountants, delivery drivers, technical support staff, trainers, sales managers, executive positions, and more.

Who Needs a CDL?

- Individuals ready for a career in trucking.
- Employees interested in growing within their company.

Learning Objectives for CDL

- Knowledge on alcohol/drug testing, and size and weight tractor/trailer combination limitations.
- Identify the most common unsafe driving violations associated with truck crashes.
- CDL training in accordance with Federal Motor Carriers Safety Regulations.
- Defensive driving skills for proficiency in critical areas of defensive driving.

What Can I Do With This Course of Study?

Transport cargo across state and regional lines. Tanker, flatbed, and livestock hauling. Operate and locate delivery trucks, transport hazardous materials, and operate construction machinery.

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HVAC
My Next Move](#)

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Contact Info

Jahnea Palfrey
Director, Cross Credit
jpalfrey@lee.edu
281.425.6512

Ashley Iwunwanne
Program Manager, Industrial Cross Credit

aiwunwanne@lee.edu

832.556.5135

Ivory JohnBaptiste

Administrative Specialist, Healthcare Professions

ijohnbap@lee.edu

832.556.4041

[Contact an Advisor](#)