

DIESEL AND HEAVY EQUIPMENT TECHNOLOGY

A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as heavy-duty trucks over one-ton classification, buses, ships, railroad locomotives, and equipment; as well as stationary diesel engines in electrical generators and related equipment.

Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen.

Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Programs

- Advanced Vehicle Systems Certificate (<https://courseleaf.johnstoncc.edu/programs/transportation-systems-technologies/diesel-heavy-equipment-technology/advanced-vehicle-systems-certificate/>)
- Chasis and Body Certificate (<https://courseleaf.johnstoncc.edu/programs/transportation-systems-technologies/diesel-heavy-equipment-technology/chasis-body-certificate/>)
- Diesel and Heavy Equipment Technology Degree (<https://courseleaf.johnstoncc.edu/programs/transportation-systems-technologies/diesel-heavy-equipment-technology/diesel-heavy-equipment-technology-degree/>)
- Diesel and Heavy Equipment Technology Diploma (<https://courseleaf.johnstoncc.edu/programs/transportation-systems-technologies/diesel-heavy-equipment-technology/diesel-heavy-equipment-technology-diploma/>)
- Diesel Fuel Electric Systems Certificate (<https://courseleaf.johnstoncc.edu/programs/transportation-systems-technologies/diesel-heavy-equipment-technology/diesel-ful-elec-systems-certificate/>)
- Introduction to PM & Engines Certificate (<https://courseleaf.johnstoncc.edu/programs/transportation-systems-technologies/diesel-heavy-equipment-technology/introduction-pm-engines-certificate/>)
- Powertrain, Brakes & Electricity Certificate (<https://courseleaf.johnstoncc.edu/programs/transportation-systems-technologies/diesel-heavy-equipment-technology/powertrain-brakes--electricity-certificate/>)