
DIESEL HEAVY EQUIPMENT I (070)

Information provided includes course descriptions by subject only. For complete 2024-2025 programs/academic plans, please refer to Academic Programs (<http://catalog.blackhawk.edu/academics/>).

070-321 Heating, Cooling and Air Conditioning

Credits: 1-3

This course focuses on the theory, operation, and troubleshooting of heating, cooling, and air conditioning systems in the diesel trucking industry. Learners examine system identification, diagnostic testing, and maintenance required per OEM/NATEF/EPA standards. Knowledge gained in this course will give the learner the ability to safely test and repair heating and air conditioning systems per OEM/EPA requirements within the diesel industry.

Aid Code: 32 - undefined.

Complete Course Listing

070-341 Electrical Fundamentals

Credits: 1-4

This course introduces the learner to the theory, operation, and function of electricity as it applies to the diesel industry. Learners will read schematics, wiring diagrams, basic functions of a DVOM as well as test batteries, charging systems and learn basic voltage drop theory. Within lab settings, learners will be able to use their knowledge to test electrical circuit boards, starting and charging systems, and lighting circuits.

Aid Code: 32 - undefined.

Co-requisites: (412-342) and (806-315)

Complete Course Listing

070-403 Agriculture Safety-28

Credits: .7

This course will teach about the safe operation of agricultural equipment.

Aid Code: 47 - undefined.

Complete Course Listing