



Blanchard
UNIVERSITY

PRINCIPLES OF AIR CONDITIONING

// Course#: CAC103

This course will feature web-based training prerequisites to be done on the CAT University website prior to class. The instructor-led training class will cover the basic components used in an A/C system, flow of refrigerant through those components, tooling used, and related troubleshooting. MACS 609 certification test will be administered at completion.

AFTER COMPLETION OF THIS COURSE, STUDENTS WILL:

- Understand the functions of all components and the state of refrigerant as it flows through the R134a air conditioning system.
- Understand how to safely recover refrigerant from a system using the necessary tooling and procedures.
- Understand how to safely evacuate the air conditioning system to ensure that no moisture is present.
- Demonstrate how to properly recharge the R134a air conditioning system to Caterpillar specifications using a digital scale or a recovery unit.
- Understand how to troubleshoot and repair Caterpillar air conditioning systems.
- Demonstrate your knowledge of the EPA 609 certification on MACS assessment.

COURSE LENGTH:

- 3 Days

RECOMMENDED PREREQUISITES:

- CAC103 WBT prerequisites

Contact us at BlanchardU@blanchardmachinery.com
for more information and to register.

