

# SKILLS CERTIFICATE - COMMERCIAL REFRIGERATION

The skills developed in this certificate program will help prepare students for entry level positions to install, service, or repair commercial refrigeration systems. Students will gain a basic knowledge of electrical systems and components, schematic reading, and troubleshooting techniques in commercial refrigerations. Students must pass all courses with a score of 70% or higher. This skills certificate will prepare students to take certification exams for: HVAC/R Excellence-Electrical and HVAC/R Excellence-Commercial Refrigeration.

## Certificate Outcomes

Students completing the certificate will:

- Identify, troubleshoot, and repair commercial refrigeration units.
- Identify, explain, and apply design techniques to commercial Refrigeration systems.
- Identify, explain, and apply service and repair techniques to commercial refrigeration systems.

Skills Certificates provide training for entry level positions or career advancement and are designed to prepare students to take state, national and/or industry-recognized certifications or licensing exams. Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester (Student are unable to declare intent to complete a skills certificate.) Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0
2. Have no financial or library obligation to the college

### Certificate Requirements

AC 102	Refrigeration Theory	3
AC 107	Electrical and Controls for HVAC	6
AC 113	Schematic Reading for HVAC/R	3
AC 150	Basic Refrigeration Servicing	6
AC 200	Commercial Refrigeration I	6
Total Units		24

Course	Title	Units
<b>1st semester</b>		
AC 102	Refrigeration Theory	3
AC 107	Electrical and Controls for HVAC	6
AC 198	Special Topics in HVAC	0.5-6
Semester Total		12
<b>2nd semester</b>		
AC 150	Basic Refrigeration Servicing	6
AC 200	Commercial Refrigeration I	6
Semester Total		12
Total Units		24