

**Western Dakota Technical Institute
800 Mickelson Drive
Rapid City, SD 57703-4018**

Master Syllabus

Course Number: HVAC 221
Course Name: HVAC/R I Lab
Credits: 4
Contact Hours: 8 lab

Course Description: This course is designed to accompany HVAC/R I.

Prerequisites: All first and second semester HVAC courses

Co-requisites: HVAC 220

Textbooks: <http://bookstore.wdt.edu/>

Materials: Calculator and program tools

Student Learning Outcomes:

- Install components found on high-, medium-, and low-temperature applications
- Troubleshoot malfunctions on commercial refrigeration systems
- Repair faulty components on commercial refrigeration systems
- Assemble electrical and piping on commercial refrigeration systems

Assessment: Students' analytical skills, life skills, communication skills, teamwork techniques, employability, and technology skills will be assessed throughout this course.

ADA Accommodations: Students Rights to Assistance or Accommodations: Western Dakota Technical Institute (hereinafter WDT) does not discriminate on the basis of disability. If you have a disability as defined by federal or state law, including a temporary disability related to pregnancy and/or parenting as a result of a medical necessity due to childbirth, WDT will provide reasonable accommodations including but not limited to architectural access, aids and services necessary for effective communication, and modification of its policies and procedures. Students with a disability who are requesting an accommodation should contact your instructor and the Student Success Director who serves as the disability coordinator as early as possible in the semester.

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