

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

**Master Syllabus**

**Course Number:** HVAC 125  
**Course Name:** HVAC Installation I  
**Credits:** 3  
**Contact Hours:** 3 Lecture

**Course Description:** This course provides a comprehensive introduction to heating, ventilating, and air conditioning systems. Students learn basic principles of heat transfer and the basic refrigeration cycle applied to air conditioning.

**Prerequisites:** None

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

**Materials:** Calculator

**Student Learning Outcomes:**

- Understand the basic forms of joining ACR copper tubing in air conditioning and heat pump systems
- Understand the process of a vapor compression refrigerant cycle in air conditioning and heat pump systems
- Describe components that make up air conditioning and heat pump 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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