

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

**Master Syllabus**

**Course Number:** IEL 135  
**Course Name:** Basic Electrical Materials and Devices  
**Credits:** 1  
**Contact Hours:** 2 Lab

**Course Description:** This course is designed to cover essential electrical materials, identify the industry's commonly used materials, and understand its terminology.

**Prerequisites:** IEL 132, IEL 133

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

**Student Learning Outcomes:**

- Identify the common conductors and cables used in the electrical industry
- Identify common nonmetallic boxes and metallic boxes used in the electrical industry
- Identify common raceways and fittings used in the electrical industry
- Identify common service and distribution equipment used in the electrical industry
- Identify common devices and control equipment used in the electrical industry

**Assessment:** Life skills, analytical skills, technology skills, and employability 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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