

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

**Master Syllabus**

**Course Number:** IEL 122  
**Course Name:** Electrical Code Study I  
**Credits:** 3  
**Contact Hours:** 3 Lecture

**Course Description:** This course deals with commercial and industrial wiring standards with heavy emphasis on the National Electrical Code. Electrical services are studied in more depth, grounding and bonding are emphasized, and wiring methods for several types of locations are studied.

**Prerequisites:** IEL 130

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

**Student Learning Outcomes:**

- Explain the general requirements for electrical installations
- Explain why systems and circuit conductors are grounded
- Explain the most common grounding technique and devices

**Assessment:** Students' analytical skills and employability 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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