

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

Master Syllabus

Course Number: WDM 255
Course Name: Welding Capstone
Credits: 3
Contact Hours: 1 Lecture; 4 Lab

Course Description: This class will provide the graduating student skills to prepare them for management, supervisor, and foreman positions in the welding industry. This will be accomplished by taking a critical look at the economics behind successful weld production and manufacturing. Topics covered during theory will be, but not limited to, expenditures, productivity, AWS code, research and development, team building, specialized welding processes, and industry trends. Skills training in the lab will be based on the industry that the student has chosen as a career path and, when applicable, the student will work with standards set by a future employer or by industry.

Prerequisites: Instructor approval

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

Materials: Welding Tool Set

Student Learning Outcomes:

- Understand the varieties of career opportunities available in the welding field.
- Demonstrate the ability to document welding procedures.
- Understand the essential documentation in the welding industry.
- Demonstrate safe and proper use of all safety equipment and shop tools.

Assessment: Students' analytical skills, life skills, teamwork techniques, employability, social values, 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.

Notice of Non-Discrimination: WDT will not tolerate racism, discrimination, harassment, exploitation or victimization of students, school employees, non-employees, or any person who is an invitee of WDT for any reason, including but not limited to race, color, ethnic background, national origin, pregnancy, student marital status, religion, creed, age, sex, citizenship, political affiliation, mental and/or physical challenge, disability, sexual orientation, gender identity, or status as a veteran. WDT is committed to providing an environment free from harassment and other forms of discrimination for students, employees, non-employees and its invitees. The following person has been designated to handle inquiries or complaints regarding the non-discrimination policies: Student Success Director