

Navajo Technical University

Name: _____

ID#: _____

Certificate – Welding Technology Requirements 37 Credits

The Welding Technology Program prepares students for work in the field Welding Technology. In addition to gaining an overall understanding of welding machines, weld processes, and hands-on welding proficiency, students develop skills in the areas of blueprint reading, welding symbols, weld inspection, destructive and non-destructive testing, metallurgy, computer-aided drafting along with precisions machine tool operations. Students gain knowledge and skills necessary to prepare them for weld qualification to code specifications.

The Certificate in Welding Technology stresses the practical applications of welding on plate pipe in all positions and the necessary theory to support those skill levels. Welding skills are developed with supported courses. A student must earn a grade of C or higher in all courses required for the program in order to receive a certificate.

| GENERAL EDUCATION REQUIREMENTS | | Credits | Prerequisites | Semester/Transfer | Grade |
|--------------------------------|--|---------|--|-------------------|-------|
| BCIS 1115 | Introduction to Computers | 3 | | | |
| ENGL 1210 | Technical Communications | 3 | ENGL100 or satisfactory placement scores | | |
| WLD 101 | Welding Fundamentals | 3 | | | |
| WLD 105 | Pipe Welding I | 3 | | | |
| SSC 100 | College Success | 1 | | | |
| | | | | | |
| Semester ONE | | Credits | | | |
| MTH 113 | Technical Mathematics or higher | 3 | SEE CATALOG | | |
| WLD 115 | Structural Welding I | 3 | | | |
| NAVA XXX | Dine Studies Course | 3 | | | |
| ENGR 143 | Characteristics of Engineering Materials | 3 | | | |
| Semester TWO | | | | | |
| WLD 125 | Structural Welding II | 3 | WLD 115 | | |
| WLD 130 | Welding Fundamentals II | 3 | WLD 101 | | |
| WLD 150 | Pipe Welding II | 3 | WLD 105 | | |
| WLD 156 | Welding Qualifications | 3 | WLD 101, 115, 105 | | |
| TOTAL REQUIRED CREDIT HOURS | | 37 | | | |

*** Please check course descriptions for the appropriate prerequisite course(s).*

| | Signatures | Date |
|------------------|------------|------|
| Student: | | |
| Advisor: | | |
| Registrar: | | |
| Graduation Date: | | |

Updated 7/14/2024