

# WESTERN DAKOTA TECHNICAL COLLEGE

## CONSTRUCTION TECHNOLOGY

### Diploma, 36 Credit Hours, 12-Month Program

The Construction Technology program will prepare students who plan to enter the growing construction field. This program will include classroom theory, hands-on experience, and internship experiences that allow students to practice what they learn in the classroom. The program will prepare students for a challenging field that is full of opportunities.

Students in the Construction Technology program will acquire the skills necessary for employment in the areas of residential, commercial, industrial, and public works projects. Students will gain basic experience in the areas of framing, cabinet making, concrete and masonry work, steel frame construction, modular construction, architectural print reading, and welding. Students will also complete an internship to gain additional hands-on industry experience.

Students may be employed by residential contractors, building materials dealers, and commercial contractors. Possibilities for self-employment or business ownership may also exist.

| Course                                | No. | Course Title                                     | Credits   |
|---------------------------------------|-----|--|-----------|
| <b>General Education Requirements</b> |     |  |           |
| CSC                                   | 105 | MICROCOMPUTER SOFTWARE APPLICATIONS I            | 3         |
| ENGL                                  | 106 | WORKPLACE COMMUNICATIONS I*                      | 3         |
| MATH                                  | 104 | TECHNICAL MATHEMATICS**                          | 3         |
| PSYC                                  | 101 | GENERAL PSYCHOLOGY <i>or</i>                     | 3         |
| PSYC                                  | 103 | HUMAN RELATIONS IN THE WORKPLACE                 |           |
| <b>Total</b>                          |     |  | <b>12</b> |
| <b>Technical Requirements</b>         |     |  |           |
| AE                                    | 150 | ARCHITECTURAL PRINT READING                      | 1         |
| CT                                    | 117 | CARPENTRY & CONSTRUCTION SAFETY                  | 6         |
| CT                                    | 120 | CONCRETE & MASONRY WORK                          | 3         |
| CT                                    | 125 | STEEL FRAME CONSTRUCTION                         | 3         |
| CT                                    | 130 | COMMERCIAL MODULAR CONSTRUCTION                  | 3         |
| CT                                    | 199 | CONSTRUCTION INTERNSHIP I                        | 6         |
| WDM                                   | 100 | WELDING AND FABRICATION FOR GENERAL APPLICATIONS | 2         |
| <b>Total</b>                          |     |  | <b>24</b> |

\*Prerequisite: Acceptable ACCUPLACER score or Basic Writing.

\*\*Prerequisite: Acceptable ACCUPLACER score or Basic Math.

### Semester Breakdown Diploma

| First Semester            |  |  | CR        | Second Semester           |                                  |  | CR        |
|---------------------------|--|--|-----------|---------------------------|----------------------------------|--|-----------|
| CT 117                    | Carpentry & Construction Safety                  |  | 6         | AE 150                    | Architectural Print Reading      |  | 1         |
| CT 120                    | Concrete & Masonry Work                          |  | 3         | CT 125                    | Steel Frame Construction         |  | 3         |
| MATH 104                  | Technical Mathematics                            |  | 3         | CT 130                    | Commercial Modular Construction  |  | 3         |
| WDM 100                   | Welding and Fabrication for General Applications |  | 2         | CT 199                    | Construction Internship I        |  | 6         |
|                           |  |  |           | PSYC 101                  | General Psychology <i>or</i>     |  | 3         |
|                           |  |  |           | PSYC 103                  | Human Relations in the Workplace |  |           |
| <b>Total Credit Hours</b> |  |  | <b>14</b> | <b>Total Credit Hours</b> |                                  |  | <b>16</b> |
| Third Semester            |  |  | CR        |                           |                                  |  |           |
| CSC 105                   | Microcomputer Software Applications I            |  | 3         |                           |                                  |  |           |
| ENGL 106                  | Workplace Communications I                       |  | 3         |                           |                                  |  |           |
| <b>Total Credit Hours</b> |  |  | <b>6</b>  |                           |                                  |  |           |

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Apply online today at [wdt.edu](http://wdt.edu) or call Admissions Department at (605) 718-2565 or email [admissions@wdt.edu](mailto:admissions@wdt.edu)

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