

# WESTERN DAKOTA TECH

## 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>			
CIS	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>			
CAD	150	ARCHITECTURAL PRINT READING	1
CT	110	CONSTRUCTION SAFETY / OSHA	3
CT	115	CARPENTRY - FRAMING & FINISH WORK	3
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			Second Semester		
		CR			CR
CT 110	Construction Safety / OSHA	3	CAD 150	Architectural Print Reading	1
CT 115	Carpentry – Framing & Finish Work	3	CT 125	Steel Frame Construction	3
CT 120	Concrete & Masonry Work	3	CT 130	Commercial Modular Construction	3
MATH 104	Technical Mathematics	3	CT 199	Construction Internship I	6
WDM 100	Welding and Fabrication for General Applications	2	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			
CIS 105	Microcomputer Software Applications I	3			
ENGL 106	Workplace Communications I	3			
<b>Total Credit Hours</b>		<b>6</b>			

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