

Building Construction Technology

► Contact Information

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701-671-2116
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► Delivery Methods

Face-to-Face: Wahpeton

The Building Construction Technology curriculum prepares students with skills to work in many areas of the construction industry. The program educates and trains the future leaders of the construction industry with a unique blend of education and hands-on training. Graduates can work for builders, general contractors and subcontractors in commercial, industrial and residential construction. Students develop the skills, knowledge and attitudes necessary to function on the construction site with the potential to advance into supervisory positions within the construction industry.

The program provides students with realistic classroom and laboratory experiences emphasizing rough carpentry, exterior finishes, finish carpentry, interior finishes, concrete construction, steel erection, assembly of pre-engineered metal building systems, equipment operation, construction safety, print reading and project supervision. In addition, students take courses in communications, human relations, technical mathematics, and business use of computers to help provide them with career-advancing skills.

Green and/or sustainable construction is specifically covered in multiple courses with an emphasis on energy efficient buildings and sustainable building materials.

While students are fully employable upon completion of this program, some may wish to continue their education by returning for an additional year and earn a second major in Construction Management Technology.

NOTE: This program requires the purchase of a notebook computer. The minimum cost will be approximately \$1,000.00. For further information, contact Randy Stach at 701-671-2116.

Admission Requirements*

The applicants must be high school graduates or equivalent. Students considered for acceptance must complete all admission requirements.

Required minimum placement scores:

<u>ACT</u>	<u>ACCUPLACER</u>	<u>ACCUPLACER</u>
Reading – 15	Reading Comp – 61	<u>NEXT GENERATION</u>
English – 15	WritePlacer – 3-4	Reading – 240
Math – 17	Arithmetic – 51	Writing – 237
	Elementary Algebra – 25	QAS – 232

Or transfer equivalencies will apply as appropriate

Applicants not meeting the above requirements are encouraged to visit with the academic counselor at 701-671-2257 or the Construction and Design Technology department chair at 701-671-2116 for strategies to meet the admission requirements.

**Program Admission Requirements are subject to revision. Please check the department or program website under Program Admission Requirements for current information.*

Award

Upon successful completion of the required courses, students will be awarded an Associate in Applied Science degree in Building Construction Technology.

Course Code	Course Title	Credits
ARCT 144	Construction Estimating I	3
BCT 110	Concrete and Sitework	4
BCT 111	Concrete Theory	2
BCT 115	Introduction to Light Commercial Construction	3
BCT 131	Rough Carpentry	3
BCT 132	Exterior Finish Construction	3
BCT 133	Carpentry Fundamentals	2
BCT 140	Intro to Print Reading	2
BCT 201	Supervised Occupational Experience I	6
BCT 202	Construction Seminar	2
BCT 203	Supervised Occupational Experience II	4
BCT 212	Steel Frame Construction	3
BCT 220	Project Supervision	3
BCT 222	Construction Safety	2
BCT 224	Building Layout	2
BCT 231	Interior Finishes	3
BCT 232	Finish Carpentry	3
BCT 233	Commercial Finishes	3
BCT 240	Commercial Print Reading	3
MFGT 120	Basic Welding I	1

Related/General Education Courses

ENGL 110	College Composition I	3
English/Communication Elective (choose one)		3
ENGL 105	Technical Communications	
ENGL 120	College Composition II	
ENGL 125	Introduction to Professional Writing	
COMM 110	Fundamentals of Public Speaking	
HPER 210	First Aid and CPR (<i>Professional/Community</i>)	2
MATH 130	Technical Mathematics	2
MATH 132	Technical Algebra I	2
MATH 136	Technical Trigonometry	2
FYE 101	Science of Success	1
Social and Behavioral Sciences, Humanities, History and/or Computer Electives		4
Recommended:		
• CSCI 116 – Business Use of Computers – 3 cr		
• PSYC 100 – Human Relations in Organizations – 2 cr		

Total Required Credits

76