Building Construction Technology

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:

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

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.

Related/General Education Courses
ENGL 110 College Composition I 3
ENGLISH/COMMUNICATION ELECTIVE (CHOOSE ONE) 3
ENGL 105 Technical Communications 2
ENGL 120 College Composition II 3
ENGL 125 Introduction to Professional Writing 3
COMM 110 Fundamentals of Public Speaking 3
ARCT 144 Construction Estimating I 2
BCT 111 Concrete Theory 2
BCT 115 Introduction to Light 3
BCT 131 Rough Carpentry 3
BCT 132 Exterior Finish Construction 3
BCT 133 Carpentry Fundamentals 3
BCT 140 Intro To Print Reading 2
BCT 201 Supervised Occupational Experience I 4
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

Total Required Credits 76

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