This program is designed to provide individuals with the knowledge and skills needed to start a career in the construction management field. Classroom and laboratory experiences emphasize commercial, residential and civil related construction.

Students will take classes in the areas of construction materials and methods, print reading, safety, construction, specifications, project management and supervision as well as hands-on classes for estimating, scheduling, surveying, material testing, and quality control. Students will also take required classes in written and oral communications, technical mathematics, business, computer sciences and social sciences.

The construction industry has a high demand for individuals with an education in construction management both regionally and nationally. The Construction Management Technology program prepares students for a career in construction as a construction manager, project manager, project engineer, field engineer, job site superintendent, estimator, scheduler, quality control and many other managerial positions whose duties and responsibilities ensure that construction projects are completed on-time, within budget, to the desired quality, and safely.

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, the Associate in Applied Science degree in Construction Management Technology also provides transfer options to four-year colleges and universities in construction management related fields.

NOTE: This program requires the purchase of a notebook computer. The cost will be approximately $1900.00. 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:

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

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 Construction Management Technology.

Course Code | Course Title | Credits
---|---|---
ARCT 144 | Construction Estimating I | 3
ARCT 231 | Commercial Methods and Materials | 3
ARCT 241 | Construction Estimating II | 3
ARCT 242 | Construction Estimating III | 3
BCT 140 | Introduction to Print Reading | 2
BCT 220 | Project Supervision | 3
BCT 222 | Construction Safety | 2
BCT 240 | Commercial Print Reading | 3
CMT 130 | Green Building Fundamentals | 2
CMT 150 | Construction Document Management | 2
CMT 225 | Mechanical and Electrical Systems | 2
CMT 251 | Construction Documents and Specifications | 3
CMT 252 | Project Management | 3
CMT 253 | Construction Scheduling | 3
CMT 297 | Cooperative Education | 2
CT 132 | Materials Testing/Quality Control | 3
Survey Elective (choose one) | | 2
CMT 120 | Surveying Fundamentals | 2
BCT 224 | Building Layout | 2
Residential Materials Elective (choose one) | | 2
BCT 133 | Carpentry Fundamentals (2) | 3
ARCT 133 | Residential Materials and Materials (2) | 3

Business/Technical Electives (5 credit minimum) | | 5
ACCT 200 | Elements of Accounting I | (4)
BADM 202 | Principles of Management | (3)
BADM 240 | Sales | (3)
BADM 281 | Organizational Behavior | (3)
BADM 282 | Human Resource Management | (3)
BUSN 120 | Fundamentals of Business | (3)
CAD 120 | Introduction to AutoCAD | (3)
CMT 121 | Plane Surveying | (2)
CMT 165 | Residential Project Experience | (1)
CMT 265 | Residential Project Experience | (1)
CT 111 | Civil Plans and Specifications | (2)
UAS 111 | Introduction to UAS | (2)
UAS 112 | Unmanned Aircraft Systems Certification | (1)

Related/General Education Courses

COMM 110 | Fundamentals of Public Speaking | 3
ENGL 110 | College Composition I | 3
ENGL/Communications Elective (choose one) | | 3
ENGL 105 | Technical Communications | 3
ENGL 120 | College Composition II | 3
ENGL 125 | Introduction to Professional Writing | 3
FYE 101 | Science of Success | 1
HPER 210 | First Aid and CPR (Professional/Community) | 2
MATH 130 | Technical Mathematics | 2
MATH 132 | Technical Algebra I | 2
MATH 136 | Technical Trigonometry | 2
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 | 73

Revised: May 2021