



2021-2022 Academic Year

# Building Construction Technology

## Certificate of Proficiency

**B-STEM Division**

Business, Science, Technology, Engineering and Math

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The certificate program in **Building Construction Technology** is an opportunity for those working in the varied fields of construction, or construction documentation, to update their knowledge and skills in building construction operations, management, or construction office administration.

Students may study full-time or part-time. Admission to the program requires a high school diploma or its equivalent with one year of algebra.

### PROGRAM OUTCOMES

- Understand drafting and design standards used in the building construction industry;
- Demonstrate knowledge of materials and methods of construction;
- Identify established surveying procedures to layout projects in accordance with construction document drawings and site information.

# CERTIFICATE CURRICULUM

2021-2022 Academic Year

BLDG.CONSTR.CERT

CIP 150101

Credit-bearing certificate programs can serve as gateways to earning an associate degree. Students are encouraged to consult the program coordinator, an academic advisor or Success Coach to explore such opportunities.

Code	Course (lecture/lab hours)	Credits
<b>FIRST SEMESTER (Fall)</b>		
<a href="#">CIV 104</a>	Applied Mechanics (3/0)	3
<a href="#">DRA 217</a>	Structural Steel Design and Drafting (2/3)	3
<a href="#">ENG 101</a>	English Composition I (3/0)	3
<a href="#">MAT 115</a>	Algebra and Trigonometry I (3/0)	3
	<ul style="list-style-type: none"><li>Students who do not place at this mathematics level must meet with their program advisor to develop an academic plan.</li></ul>	
<b>SECOND SEMESTER (Spring)</b>		
<a href="#">CIV 101</a>	Surveying I (2/3)	3
<a href="#">CIV 228</a>	Reinforced Concrete Design (2/3)	3
<a href="#">CIV 237</a>	Mechanics of Materials Fundamentals (3/3)	4
<a href="#">DRA 190</a>	Introduction to Computer-Aided Drafting (1/2)	2
<b>THIRD SEMESTER (Summer)</b>		
<a href="#">BCT 232</a>	Construction Estimating (3/0)	3
<a href="#">BCT 234</a>	Construction Contracts and Specifications (3/0)	3
		<b>30</b>