



## **Building Construction Technology**

Associate in Science | Code: 26033 | 60 credits

**CIP (1615100102)**

**Effective Term: Fall 2024 (2247)**

The Building Construction Technology program is designed to furnish technically trained personnel for the building construction industry. The graduate may work with a contractor as part of the administrative team in such entry-level job positions as those leading to estimators, job coordinators, or project managers. Technical jobs may also be available in the following areas: land and project developers; technical sales for building materials, systems, and equipment; with local, state, and federal government agencies; as well as various financial institutions.

### **GENERAL EDUCATION REQUIREMENTS (15.00 Credits)**

#### **COMMUNICATIONS (3.00 credits)**

ENC 1101	English Composition 1	(3 credits)	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
----------	-----------------------	-------------	--

#### **HUMANITIES (3.00 credits)**

ARH 1000	Art Appreciation	(3 credits)	
HUM 1020	Introduction to Humanities	(3 credits)	
LIT 2000	Introduction to Literature	(3 credits)	
MUL 1010	Music Appreciation	(3 credits)	
PHI 2010	Introduction to Philosophy	(3 credits)	
THE 2000	Theatre Appreciation	(3 credits)	

#### **MATHEMATICS (3.00 credits)**

MAC 1105	College Algebra	(3 credits)	Prerequisite: MAT 1033*
----------	-----------------	-------------	-------------------------

\*Note: Students must seek advisement for proper mathematics course from discipline chairperson.

#### **NATURAL SCIENCE (3.00 credits)**

AST 1002	Descriptive Astronomy	(3 credits)	
BSC 1005	General Education Biology	(3 credits)	
CHM 1020	General Education Chemistry	(3 credits)	
ESC 1000	General Education Earth Science	(3 credits)	
EVR 1001	Introduction to Environmental Science	(3 credits)	
GLY 1010	Physical Geology	(3 credits)	
OCE 1001	Introduction to Oceanography	(3 credits)	
PHY 1020	General Education Physics	(3 credits)	
PHY 2053	Physics (without Calculus) 1	(3 credits)	Prerequisite: MAC 1114 or MAC 1147; Corequisite: PHY 2053L

#### **SOCIAL SCIENCE (3.00 credits)**

AMH 2010	History of the US to 1877	(3 credits)
AMH 2020	History of the US since 1877	(3 credits)
POS 2041	American Federal Government	(3 credits)

#### **COMPUTER COMPETENCY**

Test type(s) needed:

Computer Competency Test (CCT)

---or---

CGS 1060C      Introduction to Computer Technology & Applications

**MAJOR COURSE REQUIREMENTS (42.00 credits)**

ARC 1126C	Architectural Drawing 1	(4 credits)	
ARC 2171	Computer Aided Drafting 1	(4 credits)	Prerequisite: ARC 1126C or 2461
ARC 2461	Architectural Materials and Construction 1	(4 credits)	Prerequisite: ARC 1126C or BCN 1251
ARC 2681	Environmental Technology	(3 credits)	Prerequisite: ARC 1126C
BCN 1272	Building Construction Plans Interpretation 1	(3 credits)	
BCN 1275	Building Construction Plans Interpretation 2	(3 credits)	Prerequisite: BCN 1272
BCT 1743	Building Construction Law	(3 credits)	
BCT 1750	Building Construction Financing	(3 credits)	
BCT 1770	Building Construction Estimating Fundamentals	(3 credits)	Prerequisite: BCN 1272
BCT 1771	Building Construction Advanced Estimating	(3 credits)	Prerequisites: BCN 1275, BCT 1770
BCT 2760	Building Code Regulations	(3 credits)	
MAC 1114	Trigonometry	(3 credits)	Prerequisite: MAC 1105 or MAC 1106
SUR 1001C	Construction Survey	(3 credits)	Prerequisite: MAC 1114 or MAC 1147

**MAJOR COURSE ELECTIVE (3.00 credits)**

ARC*, BCN*, BCT*		
CGS 1060C	Introduction to Computer Technology & Applications	(4 credits)
ETM 1700	Air Conditioning Fundamentals	(3 credits)