

**Construction Management**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CTMGT-AAS

**DESCRIPTION**

This degree prepares students to supervise and manage the construction of commercial and residential buildings including sustainable (green) construction. Students learn proper procedures and materials that comply with plans, specifications, and building codes. Students will be prepared for employment as construction estimators/schedulers, project managers, green specialists, and other supervisory positions in the construction industry.

**STUDENT LEARNING OUTCOMES**

- Analyze items, elements or systems in a construction project by manually and visually identifying what is necessary for its construction, accurately calculate the quantities needed, and estimate its total installed cost.
- Correlate the construction field administration phase including contract documents, construction schedules, submittals, reports and close-out elements.
- Diagnose construction contracts, lien laws, contract changes, scheduling, insurances and bonds, and contract disputes.
- Compare the advantages of utilizing green construction materials over the more conventional construction materials including how the materials are produced, the general properties of the material, and how the materials are installed.
- Recognize the value of Lean techniques and their significance in the area of construction.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or MATH 124 or MATH 126

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

COM 115 or ENG 102

**HUMAN RELATIONS (3 credits)**

ALS 101 or MGT 283

**NATURAL SCIENCE (3 credits)**

EGG 131 or ENV 101 or GEOG 103

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

COM 101 or PSY 101 or SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101 or HIST 101 and 102 or HIST 101 and 217

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (38 credits)**

CONS 108B	Construction Materials and Methods	3
CONS 110B	Introduction to Sustainable Construction	3
CONS 111B	Commercial Building Codes (IBC)	4
CONS 113B	Residential Codes (IRC)	4
CONS 120B	Construction Plans and Specifications	3
CONS 185B	Lean Construction	3
CONS 205B	Construction Site Safety	2
CONS 282B	Construction Law	3
CONS 285B	Construction Estimating and Scheduling	4
CONS 286B	Construction Management and Analysis	3
CONS 288B	Quality Control of Construction Waste	3
CONS 299B	Construction Capstone Course	3

**Digital Literacy Requirement (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



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**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Science <sup>1</sup> (see courses previous page)	3
CONS 111B Commercial Building Codes (IBC)	4
CONS 120B Construction Plans and Specifications	3
CONS 282B Construction Law	3
Complete Mathematics <sup>2</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
CONS 108B Construction Materials and Methods	3
CONS 113B Residential Codes (IRC)	4
CONS 185B Lean Construction	3
CONS 286B Construction Management and Analysis	3
English Placement Test	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Communications <sup>3</sup> (see courses previous page)	3
CONS 110B Introduction to Sustainable Construction	3
CONS 205B Construction Site Safety	2
CONS 285B Construction Estimating and Scheduling	4
CONS 288B Quality Control of Construction Waste	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
CONS 299B Construction Capstone Course	3
Complete Natural Science (see courses previous page)	3
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60</b>

<sup>1</sup>COM 101 is required for BAS transfer to Great Basin College.<sup>2</sup>MATH 124 or MATH 126 is required for BAS transfer to Great Basin College.<sup>3</sup>ENG 102 is required for BAS transfer to Great Basin College.