

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.
- Distinguish green alternatives to conventional building practices, and describe the pros and cons of those alternatives.
- Characterize sustainable construction retrofitting for energy efficiency of existing buildings.

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 above (except MATH 115B, 122, 123)

ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 46 for courses

COMMUNICATIONS (3 credits)

Required: COM 115 Applied Communication

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)

PSY 101 or SOC 101 or SPAN 101B

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

Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

CORE REQUIREMENTS (34 credits)

CONS 120B	Construction Plans and Specifications	3
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
SCT 101B	Fundamentals of Sustainable Construction	3
SCT 105B	Sustainable Construction Materials and Methods	3
SCT 201B	Sustainable Construction of New Buildings	3
SCT 202B	Sustainable Construction of Existing Buildings	3

Choose one from the following (3 credits)

ADT 201B	Introduction to Building Information Modeling	3
CADD 100	Introduction to Computer Aided Drafting	3

Choose one from the following (4 credits)

CONS 111B	Commercial Building Codes (IBC)	4
CONS 113B	Residential Building Codes (IRC)	4

Choose one from the following (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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
CONS 120B Construction Plans and Specifications	3
SCT 101B Fundamentals of Sustainable Construction	3
CONS 11B or CONS 113B	4
TOTAL CREDITS	16-18
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
ALS 101 or MGT 283	3
CONS 282B Construction Law	3
CONS 288B Quality Control of Construction Waste	3
SCT 105B Sustainable Construction Materials and Methods	3
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Complete Natural Science (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
CONS 285B Construction Estimating and Scheduling	4
CONS 286B Construction Management and Analysis	3
SCT 201B Sustainable Construction of New Buildings	3
TOTAL CREDITS	16
FOURTH SEMESTER	Credits
PSC 101 Introduction to American Politics	4
ADT 201B or CADD 100	3
CONS 299B Construction Capstone Course	3
SCT 202B Sustainable Construction of Existing Buildings	3
IS 100B or IS 101	0-3
TOTAL CREDITS	13-16
DEGREE PLAN TOTAL CREDITS	60-65

