

Construction Management Emphasis

Construction Technologies Degree

Associate of Applied Science

This course of study will provide the student with the basic, entry-level understanding of the construction industry as it relates to the residential, commercial and heavy construction markets. The student upon completion of this two-year program will possess the necessary knowledge to either enter the construction management field or continue on an academic track to complete a bachelor's degree in construction management.

Degree Outcomes

Students completing the degree will:

- Fulfill the requirements of the Associate of Applied Science.
- Demonstrate competency in their specified emphasis.

Emphasis Outcomes

Students completing the emphasis will:

- Understand, develop, apply and demonstrate specific construction management skills required related to supervision techniques, scheduling, cost control systems and construction contracts.
- Examine and evaluate construction project documents, plans and specifications as they determine the needs included in the material takeoff process and estimating.
- Formulate and organize management applications utilizing general construction knowledge in the areas of safety, construction materials and methods and production timelines.

General Education Requirements

Diversity	(3 credits)
Recommended: SOC 205	
English/Communications	6 credits
Strongly recommended: ENG 107	
Human Relations	3 credits
Strongly recommended: MGT 171	
Quantitative Reasoning	3 credits
Strongly recommended: MATH 126	
Science	3 credits
Recommended: ENV 101	
Social Science/Humanities	3 credits
Strongly recommended: SOC 205	
U.S. and Nevada Constitutions	3 credits
Total General Education Requirements	21 Credits

Core Requirements

AIT 110	General Industrial Safety.....	1
BI 101	Introduction to Building Codes.....	3
CONS 120	Print Reading and Specification	3
Total Core Requirements		7 Credits

Emphasis Requirements

AAD 125	Construction Drawings and Detailing	3
ADT 120	Introduction to LEED and Sustainable Building..	3

ADT 256	Introduction to Land Use Planning	3
CONS 121	Principles of Construction Estimating	3
CONS 155	On-Site Construction Supervision.....	3
CONS 211	Construction Cost Control	3
CONS 221	Construction Estimating II	3
CONS 281	Construction Planning Scheduling and Control ..	3
CONS 282	Construction Law	2
CONS 283	Construction Documents and Specifications.....	2
IS 101	Introduction to Information Systems.....	3

Total Emphasis Requirements	31 Credits
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Elective Requirements

Choose 3-4 credits from the following:

ADT 230	Mechanical and Electrical Equipment for Buildings	3
ADT 245	Static and Strength of Materials	3
CONS 290	Internship in Construction	3
MGT 201	Principles of Management	3
SUR 161	Elementary Surveying	4

Total Elective Requirements	3-4 Credits
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Total Degree Requirements	62-63 Credits
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Suggested Course Sequence

First Year	Course #	Title	Credits
1st Semester			
Core	AIT 110	General Industrial Safety	1
Core	CONS 120	Print Reading and Specification	3
Emphasis	CONS 121	Principles of Construction Estimating	3
Emphasis	IS 101	Introduction to Information Systems	3
Quantitative Reasoning	MATH 126	Pre-Calculus I	3
Social Science/ Diversity	SOC 205	Ethnic Groups in Contemporary Societies	3
Total			16
2nd Semester			
Emphasis	AAD 125	Construction Drawing and Detailing	3
Emphasis	ADT 120	Introduction to LEED and Sustainable Building	3
Emphasis	CONS 221	Construction Estimating II	3
Emphasis	CONS 282	Construction Law	2
Emphasis	CONS 283	Construction Documents and Specifications	2
English	ENG 107	Technical Communications I	3
Total			16
Second Year	Course #	Title	Credits
3rd Semester			
Emphasis	ADT 256	Introduction to Land Use Planning	3
Core	BI 101	Introduction to Building Codes	3
Emphasis	CONS 155	On-site Construction Supervision	3
Communications	Elective		3
U.S. and Nevada Constitutions	Elective		3
Total			15
4th Semester			
Elective		Choose from list	3-4
Emphasis	CONS 211	Construction Cost Control	3
Emphasis	CONS 281	Construction Planning Scheduling and Control	3
Science	ENV 101	Introduction to Environmental Science	3
Human Relations	MGT 171	Supervision	3
Total			15-16
Degree Total			62-63