



Information Presented by

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July 12, 2018

**CONSTRUCTION MANAGEMENT - BUILDING INSPECTION
CERTIFICATE OF ACHIEVEMENT**

**30 CREDITS
2019 - 2020**

DEGREE CODE: ???

PROGRAM DESCRIPTION

Prepares students to inspect and oversee construction of residential and commercial buildings. Students will learn proper materials and procedures that comply with plans, specifications, and building codes and will be prepared for the ICC, IAMPO, and NEC certification exams and employment in the building inspection industry.

STUDENTS LEARNING OUTCOMES

Associate construction processes with building inspection codes.
Differentiate administrative provisions of various building inspection codes used in construction management.
Interpret various building inspection code tables.
Observe various fire ratings, protection, and prevention technique.
Develop responsibilities of a building inspector.

<u>GENERAL EDUCATION REQUIREMENTS</u>		<u>SPECIAL PROGRAM REQUIREMENTS</u>	
	(3 Credits)		(27 Credits)
			<u>CR</u>
<u>COMMUNICATIONS</u>	3	<u>CORE REQUIREMENTS (38 credits)</u>	
COM 101 or COM 115		CONS 108B Construction Materials and Methods	3
		CONS 111B Commercial Building Codes (IBC)	4
		CONS 113B Residential Codes (IRC)	4
		CONS 120B Construction Plans and Specifications	3
		CONS 133B Electrical Codes (NEC)	3
		CONS 134B Mechanical Codes (UPC)	2.5
		CONS 135B Plumbing Codes (UMC)	2.5
		CONS 289B Building Inspection Capstone Course	2
		MATH 104B Applied Mathematics	3
		<u>Chose one from the following (0-3 credits)</u>	
		IS 100B Core Computing Competency	
		IS 101 Introduction to Information Systems	
		Computation includes MATH 104B or above	
		Human Relations included in CONS 289B	

TOTAL CREDITS

30

**CONSTRUCTION MANAGEMENT
ASSOCIATE OF APPLIED SCIENCE**

**60 CREDITS
2018 - 2019**

DEGREE CODE: **CTCMGT-AAS**

PROGRAM 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, and other supervisory positions in the construction industry.

STUDENTS 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 materials, and how the materials are installed.
- ◆ Recognize the value of Lean Techniques and their significance in the area of construction.

<u>GENERAL EDUCATION REQUIREMENTS</u>		<u>(22 Credits)</u>		<u>SPECIAL PROGRAM REQUIREMENTS</u>		<u>(38 Credits)</u>	
			<u>CR</u>				<u>CR</u>
<u>MATHEMATICS</u>	3			<u>CORE REQUIREMENTS (38 credits)</u>			
MATH 104B or MATH 124 or MATH 126				CONS 108B Construction Materials and Methods	3		
(RECOMMENDED)				CONS 110B Introduction to Sustainable Construction	3		
				CONS 111B Commercial Building Codes (IBC)	4		
<u>ENGLISH COMPOSITION</u>	3-5			CONS 113B Residential Codes (IRC)	4		
ENG 100 or 101 or 113 (RECOMMENDED)				CONS 120B Construction Plans and Specifications	3		
				CONS 185B Lean Construction	3		
<u>COMMUNICATIONS</u>	3			CONS 205B Construction Site Safety	2		
COM 115 or ENG 102 (RECOMMENDED)				CONS 282B Construction Law	3		
				CONS 285B Construction Estimating and Scheduling	4		
<u>HUMAN RELATIONS</u>	3			CONS 286B Construction Management and Analysis	3		
ALS 101 or MGT 283 (RECOMMENDED)				CONS 288B Quality Control of Construction Waste	3		
				CONS 299B Construction Capstone Course	3		
<u>NATURAL SCIENCE</u>	3			<u>Chose one from the following (0-3 credits)</u>			
EGG 131 or ENV 101 or GEOG 103 (RECOMMENDED)				IS 100B Core Computing Competency	0		
<u>FINE ARTS/HUMANITIES/SOCIAL SCIENCE</u>	3			IS 101 Introduction to Information Systems	3		
COM 101 or PSY 101 or SOC 101 (RECOMMENDED)							
<u>U.S. AND NEVADA CONSTITUTIONS</u>	4-6						
PSC 101 or (RECOMMENDED)							
HIST 101 and HIST 102 or							
HIST 101 or HIST 217							

TOTAL CREDITS **60**

**PROJECT MANAGEMENT
BACHELOR OF APPLIED SCIENCE (BAS)**

**2017-2018
DEGREE CODE: PM-BAS**

121 CREDITS

GENERAL EDUCATION REQUIREMENTS		(37 Credits)		SPECIAL PROGRAM REQUIREMENTS		(84 Credits)	
	CR	SEMESTER			CR		
MATHEMATICS:	3	_____		LOWER LEVEL REQUIREMENTS	21		
MATH 120 or above (except MATH 122, 123)				BUS 101 Introduction to Business	3	_____	
ENGLISH COMPOSITION:	6	_____		IS 101 Introduction to Information Systems	3	_____	
ENG 100 or 101 or 107 or 113, and 333				MKT 210 Marketing Principles	3	_____	
COMMUNICATIONS:	6	_____		BUS 273 Business Law I	3	_____	
COM 101, 102, 115, 215, 205				CIT 263 Project Management	3	_____	
ENG 102 or 114 or 205; BUS 107, 108							
JOUR 102; THTR 105				Choose one from the following	(4 cr)	3	
HUMAN RELATIONS:	6	_____		MGT 201 Principles of Management		_____	
ALS 101; HIST 105, 106, 107, 150, 151, 210, 247, 260				MGT 235 Organizational Behavior		_____	
MGT 100B, 283; HMS 130; PHIL 135, 210, 216, 245							
PSC 201; PSY 101, 102, 207, 208, 261				Choose one from the following	(4 cr)	3	
SOC 101 or above; WMST 113				ACC 201 Financial Accounting		_____	
NATURAL SCIENCE:	3	_____		ECON 261 Principles of Statistics		_____	
ANTH 102; AST; BIOL 101 or above; CHEM 103 or above;							
EGG 131, 132; ENV 101 or above; ENG 223 or above; GEOG 103,				UPPER DIVISION Core Requirements	33		
104, 116, 177; GEOL 100 or above; MT 102B, 110B; PHYS 110 or above				CIT 363 Adv. Project and Earned Value Man.	3	_____	
HHP 123B, 124B				MGT 301 Principles of Man. And Org. Behavior	3	_____	
FINE ARTS/HUMANITIES/SOCIAL SCIENCES	9	_____		MGT 367 Human Resources Management	3	_____	
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above;				MGT 415 Business and Society	3	_____	
CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106;				MGT 423 Adv. Topics in Org. Behavior and	3	_____	
Int. Lang. 101B or above; MUS 101 or above; PHIL 101 or above;				Interpersonal Communication			
PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100				MGT 430 Management Technology Leadership	3	_____	
or above (except 105); WMST 113				MGT 441 Oper. Quality Control and Prob. Solving	3	_____	
U.S. AND NEVADA CONSTITUTIONS:	4-6	_____		MGT 462 Changing Environment	3	_____	
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217				MGT 494 Seminar in Management	3	_____	
				MGT 496 Strategic Management and Policy	3	_____	
				MKT 450 Competitive Strategies for Product and	3	_____	
				Price Management			
				ELECTIVES (choose 30 credits):			
				See counselor for courses.			
				CTE department electives: AC, ACC, AUTO, AV, BUS, CADD, CIT,			
				CSCO, COT, CONS, CRJ, CUL, ECE, ET, FAB, FT, GRC, HMD, IS, JOUR,			
				LAW, PHO, TCA, MOA, MGT, MKT, MT, RE, WELD			

TOTAL CREDITS

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