

Information Presented by

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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 codesused in construction management.

Interpret various building inspection code tables.

Observe various fire ratings, protection, and prevention technique.

Develop responsibilities of a building inspector.

GENERAL EDUCATION REQUIREMENTS		3 Credits)
		CR
COMMUNICATIONS	3	
COM 101 or COM 115		

SPECIAL PROGRAM REQUIREMENTS	(27 Credits) CR
CORE REQUIREMENTS (38 credits)	
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

Chose one from the following (0-3 credits)

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

Computation includes MATH 104B or above Human Relations included in CONS 289B

CONSTRUCTION MANAGEMENT ASSOCIATE OF APPLIED SCIENCE

60 CREDITS 2018 - 2019 **DEGREE CODE: CTCMGT-AAS**

PROGRAM DESCRIPTION

HIST 101 or HIST 217

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.

GENERAL EDUCATION REQUIREMENTS	(22 Credits)		SPECIAL PROGRAM REQUIREMENTS	(38 Credits)_	
		CR			<u>c</u>
MATHEMATICS	3		CORE REQUIREMENTS (38 credits)		
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	
ENGLISH COMPOSITION	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	
COMMUNICATIONS	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	
HUMAN RELATIONS	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	
NATURAL SCIENCE	3				
EGG 131 or ENV 101 or GEOG 103 (RECOMMENDED	0)		Chose one from the following (0-3 credits)		
			IS 100B Core Computing Competency	0	
FINE ARTS/HUMANITIES/SOCIAL SCIENCE	3		IS 101 Introduction to Information Systems	3	
COM 101 or PSY 101 or SOC 101 (RECOMMENDED)					
U.S. AND NEVADA CONSTITUTIONS	4-6				
PSC 101 or (RECOMMENDED)					
HIST 101 and HIST 102 or					

PROJECT MANAGEMENT BACHELOR OF APPLIED SCIENCE (BAS)

2017-2018 DEGREE CODE: PM-BAS

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Substitution Subs	MATHEMATICS:	3		LOWER LEVEL REQUIREMENTS		21
Marketing Principles 3	MATH 120 or above (except MATH 122, 123)			BUS 101 Introduction to Business		3
Substitution 10	ENGLISH COMPOSITION:	6		IS 101 Introduction to Information Systems		3
### DIMMUNICATIONS: 6	ENG 100 or 101 or 107 or 113, and 333			MKT 210 Marketing Principles		3
Choose one from the following	COMMUNICATIONS:	6		BUS 273 Business Law I		3
Choose one from the following (4 cm 3 purples of Management MGT 201 Principles of Management MGT 201 Principles of Management MGT 205 Organizational Behavior	COM 101, 102, 115, 215, 205			CIT 263 Project Management		3
JAMAN RELATIONS: 6 MGT 201 Principles of Management S 101; HIST 105, 106, 107, 150, 151, 210, 247, 260 MGT 203 Organizational Behavior MGT 235 Organizational Behavior MGT 235 Organizational Behavior C 201; PSY 101, 102, 207, 208, 261 C 201; PSY 101, 102, 207, 208, 261 C 201; PSY 101, 102, 207, 208, 261 C 101 or above; WMST 113 ACC 201 Financial Accounting ECON 261 Principles of Statistics WHH 102; AST; BIOL 101 or above; CHEM 103 or above; GG 131, 132; ENV 101 or above; ENG 223 or above; GEOG 103, 4, 116, 177; GEOL 100 or above; MT 102B, 110B; PHYS 110 or above HP 123B, 124B ME ARTS/HUMANITIES/SOCIAL SCIENCES MGT 367 Human Resources Management MGT 367 Human Resources Management MGT 415 Business and Society MGT 415 Business and Society MGT 423 Adv. Topics in Org. Behavior and Interpersonal Communication MGT 430 Management Technology Leadership A 2010; or HIST 101 and HIST 102; or HIST 101 and HIST 217 MGT 494 Seminar in Management MGT 496 Strategic Management and Policy MKT 450 Competitive Strategies for Product and	ENG 102 or 114 or 205; BUS 107, 108					
S 101; HIST 105, 106, 107, 150, 151, 210, 247, 260 GT 100B, 283; HMS 130; PHIL 135, 210, 216, 245 C 201; PSY 101, 102, 207, 208, 261 C 101 or above; WMST 113 ACC 201 Financial Accounting ECON 261 Principles of Statistics ATH 102; AST; BIOL 101 or above; CHEM 103 or above; GG 131, 132; ENV 101 or above; ENG 223 or above; GEOG 103, 44, 116, 177; GEOL 100 or above; MT 102B, 110B; PHYS 110 or above HP 123B, 124B NE ARTS/HUMANITIES/SOCIAL SCIENCES WIGH 301 Principles of Man. And Org. Behavior MGT 302 Human Resources Management MGT 415 Business and Society MGT 423 Adv. Topics in Org. Behavior and Interpersonal Communication MGT 430 Management Technology Leadership MGT 430 Management Technology Leadership MGT 441 Oper. Quality Control and Prob. Solving MGT 496 Strategic Management and Policy MGT 496 Strategic Management and Policy MKT 450 Competitive Strategies for Product and	JOUR 102; THTR 105			Choose one from the following	(4 cr	3
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C 201; PSY 101, 102, 207, 208, 261 C 101 or above; WMST 113 ACC 201 Financial Accounting ECON 261 Principles of Statistics WHTH 102; AST; BIOL 101 or above; CHEM 103 or above; GG 131, 132; ENV 101 or above; ENG 223 or above; GEOG 103, A, 116, 177; GEOL 100 or above; MT 102B, 110B; PHYS 110 or above HP 123B, 124B MGT 301 Principles of Man. And Org. Behavior MGT 367 Human Resources Management MGT 415 Business and Society MGT 423 Adv. Topics in Org. Behavior and MGT 423 Adv. Topics in Org. Behavior and MGT 430 Management Technology Leadership Tabove (except 105); WMST 113 S. AND NEVADA CONSTITUTIONS: 4-6 MGT 496 Strategic Management MGT 496 Strategic Management and Policy MKT 450 Competitive Strategies for Product and MGT 460 Competitive Strategies for Product and MGT 450 Competitive Strategies for Product and	ALS 101; HIST 105, 106, 107, 150, 151, 210, 247, 260			MGT 235 Organizational Behavior		
ACC 201 Financial Accounting ATURAL SCIENCE: 3 ECON 261 Principles of Statistics WHH 102; AST; BIOL 101 or above; CHEM 103 or above; GG 131, 132; ENV 101 or above; ENG 223 or above; GEOG 103, UPPER DIVISION Core Requirements 33 WH, 116, 177; GEOL 100 or above; MT 102B, 110B; PHYS 110 or above HP 123B, 124B NE ARTS/HUMANITIES/SOCIAL SCIENCES 9 MGT 367 Human Resources Management 3 MGT 415 Business and Society 3 MGT 423 Adv. Topics in Org. Behavior and 3 MGT 423 Adv. Topics in Org. Behavior and 3 MGT 423 Adv. Topics in Org. Behavior and 3 MGT 430 Management Technology Leadership 3 Adv. 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 MGT 430 Management Technology Leadership 3 MGT 441 Oper. Quality Control and Prob. Solving 3 MGT 496 Strategic Management 3 MGT 496 Strategic Management 3 MGT 496 Strategic Management and Policy MGT 496 Strategic Management and Policy MGT 496 Strategic Management and Policy MGT 496 Competitive Strategies for Product and	MGT 100B, 283; HMS 130; PHIL 135, 210, 216, 245					
ATURAL SCIENCE: NTH 102; AST; BIOL 101 or above; CHEM 103 or above; Sign 131, 132; ENV 101 or above; ENG 223 or above; GEOG 103, UPPER DIVISION Core Requirements 33 UPPER DIVISION Core Requirements 34 UPPER DIVISION Core Requirements 35 UPPER DIVISION Core Requirements 36 UPPER DIVISION Core Requirements 37 UPPER DIVISION Core Requirements 38 UPPER DIVISION Core Requirements 39 UPPER DIVISION Core Requirements 30 UT 363 Adv. Project and Earned Value Man. 31 MGT 301 Principles of Man. And Org. Behavior 31 MGT 367 Human Resources Management 32 MGT 415 Business and Society 33 MGT 423 Adv. Topics in Org. Behavior and 34 Under 243 Adv. Topics in Org. Behavior and 35 Under 243 Adv. Topics in Org. Behavior and 36 Unterpersonal Communication MGT 430 Management Technology Leadership 36 MGT 441 Oper. Quality Control and Prob. Solving 37 MGT 441 Oper. Quality Control and Prob. Solving 38 MGT 494 Seminar in Management 39 MGT 494 Seminar in Management 30 MGT 496 Strategic Management and Policy 30 MGT 496 Strategic Management and Policy 31 MGT 496 Strategies for Product and 31 MGT 496 Competitive Strategies for Product and	PSC 201; PSY 101, 102, 207, 208, 261			Choose one from the following	(4 cr	3
NTH 102; AST; BIOL 101 or above; CHEM 103 or above; GG 131, 132; ENV 101 or above; ENG 223 or above; GEOG 103, UPPER DIVISION Core Requirements 33 44, 116, 177; GEOL 100 or above; MT 102B, 110B; PHYS 110 or above HP 123B, 124B NE ARTS/HUMANITIES/SOCIAL SCIENCES 9 MGT 367 Human Resources Management 3 MGT 415 Business and Society 3 MGT 423 Adv. Topics in Org. Behavior and 5 t. Lang. 101B or above; MUS 101 or above; PHIL 101 or above; Interpersonal Communication 5 to 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 MGT 430 Management Technology Leadership 3 MGT 441 Oper. Quality Control and Prob. Solving 5 to 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 MGT 450 Competitive Strategies for Product and	SOC 101 or above; WMST 113			ACC 201 Financial Accounting		
UPPER DIVISION Core Requirements 33 44, 116, 177; GEOL 100 or above; MT 102B, 110B; PHYS 110 or above MGT 301 Principles of Man. And Org. Behavior MGT 415 Business and Society MGT 415 Business and Society MGT 423 Adv. Topics in Org. Behavior and MGT 423 Adv. Topics in Org. Behavior and MGT 423 Adv. Topics in Org. Behavior and MGT 430 Management Technology Leadership MGT 430 Management Technology Leadership MGT 441 Oper. Quality Control and Prob. Solving MGT 441 Oper. Quality Control and Prob. Solving MGT 494 Seminar in Management MGT 494 Seminar in Management MGT 496 Strategic Management and Policy MGT 496 Strategic Management and Policy MKT 450 Competitive Strategies for Product and	NATURAL SCIENCE:	3		ECON 261 Principles of Statistics		
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NE ARTS/HUMANITIES/SOCIAL SCIENCES 9	104, 116, 177; GEOL 100 or above; MT 102B, 110B; P	HYS 110 or a	bove	CIT 363 Adv. Project and Earned Value Man.		3
M 145 or above; ANTH 101 or above (except 102); ART 101 or above;	HHP 123B, 124B			MGT 301 Principles of Man. And Org. Behavior		3
MGT 423 Adv. Topics in Org. Behavior and MGT 423 Adv. Topics in Org. Behavior and Interpersonal Communication MGT 430 Management Technology Leadership Tabove (except 105); WMST 113 MGT 441 Oper. Quality Control and Prob. Solving MGT 462 Changing Environment MGT 494 Seminar in Management and Policy MGT 496 Strategic Management and Policy MGT 490 Competitive Strategies for Product and	FINE ARTS/HUMANITIES/SOCIAL SCIENCES	9		MGT 367 Human Resources Management		3
t. Lang. 101B or above; MUS 101 or above; PHIL 101 or above; SC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 Tabove (except 105); WMST 113 The state of the stat	AM 145 or above; ANTH 101 or above (except 102); A	ART 101 or a	bove;	MGT 415 Business and Society		3
MGT 430 Management Technology Leadership 3 above (except 105); WMST 113 MGT 441 Oper. Quality Control and Prob. Solving 3.S. AND NEVADA CONSTITUTIONS: 4-6 MGT 462 Changing Environment 3 MGT 494 Seminar in Management 3 MGT 496 Strategic Management and Policy 3 MKT 450 Competitive Strategies for Product and 3 MKT 450 Competitive Strategies for Product and	CRJ 104; DAN 101; ECON 100 or above; ENG 223 or a	bove; GEOG	106;	MGT 423 Adv. Topics in Org. Behavior and		3
As above (except 105); WMST 113 MGT 441 Oper. Quality Control and Prob. Solving MGT 462 Changing Environment MGT 494 Seminar in Management MGT 496 Strategic Management and Policy MKT 450 Competitive Strategies for Product and MGT 450 Competitive Strategies for Product and	Int. Lang. 101B or above; MUS 101 or above; PHIL 10	1 or above;		Interpersonal Communication		
SC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217 MGT 494 Seminar in Management MGT 496 Strategic Management and Policy MKT 450 Competitive Strategies for Product and	PSC 101 or above; PSY 101 or above; SOC 101 or above	ve; THTR 100)	MGT 430 Management Technology Leadership		3
MGT 494 Seminar in Management 3 MGT 496 Strategic Management and Policy 3 MKT 450 Competitive Strategies for Product and 3	or above (except 105); WMST 113			MGT 441 Oper. Quality Control and Prob. Solving		3
MGT 496 Strategic Management and Policy 3 MKT 450 Competitive Strategies for Product and 3	U.S. AND NEVADA CONSTITUTIONS:	4-6		MGT 462 Changing Environment		3
MKT 450 Competitive Strategies for Product and 3	PSC 101; or HIST 101 and HIST 102; or HIST 101 and H	HIST 217		MGT 494 Seminar in Management		3
With 450 competitive strategies in 1122 and 1122				MGT 496 Strategic Management and Policy		3
Price Management				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