

## **Bachelor of Science in Construction Management – Management Option**

Prepares the student for professional practice as a construction manager. Provides a well rounded educational back ground in business, construction management and science, liberal arts, management, mathematics, and college physics. The program emphasizes construction science courses that are for the most part non-calculus based.

### **Construction Management – Management Option**

English Composition _____	6 credits
ENG 101 and 102	
English Literature _____	3 credits
ENG 231 or 232	
Constitutions _____	4 credits
HIST 100 or PSC 101	
Mathematics _____	4 credits
MATH 181	
Distribution Requirement (Life & Physical Sciences & Analytical Thinking)	
Humanities and Fine Arts _____	9 credits
3 additional credits in humanities COM 101, PHI 248, 3 additional credits in fine arts	
Social Science _____	9 credits
ECON 190, EGG 307, 3 additional credits	
Multicultural _____	(see notes)
International _____	(see notes)

### **Pre-Major Courses:**

English Composition (see general education requirements)	
ENG 101 and 102	
English Literature (see general education requirements)	
ENG 231 or 232	
Mathematics _____	3 credits
MATH 181. (see general education requirements), STAT 152	
Computer Science _____	3 credits
IS 101	
Social Sciences/Humanities (see general education requirements)	
COM 101, PHI 248	
Sciences _____	8 credits
PHYS 151, 151L, 152, 152L	
Construction _____	9 credits
CEM 100, 101, 250	
Engineering _____	4 credits
CEE 121, MEG 120	

### **Other Required Courses (can be taken as Pre-Major or Advanced Standing):**

Constitutions (see general education requirements)	
HIST 100 or PSC 101	
Humanities _____	3 credits
Course to satisfy University Multicultural Requirement _____	(see note 1)
Social Science (see general education requirements)	
ECON 190 (see note 2), Three additional credits	
Business _____	9 credits
ACC 201, BLW 302, ECON, 102, MGT 301	
Multicultural _____	(see notes)
International _____	(see notes)
Fine Arts Elective _____	3 credits

### **Advanced Standing Courses:**

Social Science (see general education requirements)	
EGG 307 (see notes 3 and 4)	
Required Construction Courses _____	51 credits
CEM 253 300, 301, 330 350, 351, 432, 450, 451, 452, 453, 454, 455, 456, 485; ABS 341 or CEE 341, ABS 440, 441	

**Total** \_\_\_\_\_ **124 credits**

**Notes:**

1. See General Education Core Requirements - Item 9, Multicultural Requirement, for courses meeting the Multicultural requirement.
2. ECON 190 satisfies 3 credits of the social science requirement and the University International Requirement.
3. EGG 307, Engineering Economics, is approved by the University General Education Committee to meet 3 credits of the social science requirement.
4. UNLV requires six credits of humanities and 9 credits of social science. Six of these 15 credits must be taken before the student can achieve advanced standing status. ECON 190 and the Multicultural/Humanities elective may be taken either pre-program or advanced standing. EGG 307 must be taken after achieving advanced standing status.

# B.S. in Construction Management (Management Option)

Beginning in Fall 2006

First Year – Fall		First Year - Spring	
ENG 101 Composition I*	Cr 3	ENG 102 Composition II*	Cr 3
MATH 181 Calculus I*	4	STAT 152 Introduction to Statistics*	3
IS 101 Intro Mgmt Info Systems*	3	PHYS 151/151L General Physics*	4
CEM 100 Fundamentals of Const Management*	3	CEM 101 Fundamentals of Construction Science*	3
MEG 120 Introduction to AUTOCAD *	1	COM 101 Oral Communication*	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>
Second Year - Fall		Second Year - Spring	
CEE 121 Elementary Surveying*	Cr 3	ACC 201 Financial Accounting	Cr 3
ENG 231 or 232 World Literature I or II*	3	ECON 190 Global Economics	3
CEM 250 Construction Matls & Methods*	3	CEM 253 Quantity Surveying & Doc Analysis	3
PHI 248 Professional Ethics*	3	HIST 100 or PSC 101 - Constitutions reqt	4
PHYS 152/152L General Physics*	4	ECON 102 Principles of Microeconomics	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
Third Year – Fall		Third Year - Spring	
CEE 341 or ABS 341 Building Structures I	Cr 3	ABS 440 Structures II (Steel & Timber)	Cr 3
CEM 350 Facility Systems Design/Const I	3	MGT 301 Principles of Mgmt & Org Behavior	3
EGG 307 Engineering Economics	3	CEM 330 Soils & Foundations For Const	3
Social Science Elective	3	CEM 351 Facility Systems Design/Const II	3
Fine Arts Elective	3	BLW 302 Legal Environment	3
CEM 301 Construction Safety	2		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>15</b>
		Third Year - Summer	
		CEM 300 Const Industry Practicum	0
Fourth Year - Fall		Fourth Year - Spring**	
ABS 441 Structures III (concrete)	Cr 3	CEM 432 Temporary Structures	Cr 3
CEM 451 Construction Estimating I	3	CEM 450 Construction Inspection	3
CEM 452 Construction Cost Control	3	CEM 455 Construction Mgmt Practice**	3
CEM 453 Construction Scheduling	3	CEM 456 Construction Management Capstone	3
CEM 454 Construction Equipment	3	CEM 485 Construction Law & Contracts	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

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TOTAL CREDITS = 124

\* Pre-program requirement

^ Humanities elective to satisfy Multicultural reqt

\*\*CQE Level I Exam should be taken in final year