

**Howard R. Hughes College of Engineering**  
**Department of Civil and Environmental Engineering**  
**B.S. in Construction Management (Engineering Const. Sciences Option)**

<b>First Year - Fall</b>	<b>Cr</b>	<b>First Year - Spring</b>	<b>Cr</b>
ENG 101 Composition I*	3	CEM 100 Fundamentals Const Managemt*	3
GEY 101 Intro to Geology: Planet Earth*	4	CHE 115 General Chemistry I*	4
HIS 100 or POS 101 - Constitutions reqt	4	ENG 102 Composition II*	3
MAT 181 Elementary Calculus I*	4	MAT 182 Elementary Calculus II*	4
Multicultural/Humanities Elective^	3	PHY 180/180L Engineering Physics I*	4
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>18</b>

<b>Second Year - Fall</b>	<b>Cr</b>	<b>Second Year - Spring</b>	<b>Cr</b>
CEG 206 Engineering Mechanics I*	3	ART 101 Beginning Drawing	3
CEM 251 Construction Equipment*	3	CEG 121 Elementary Surveying	3
MAT 283 Intermediate Calculus	4	CEM 252 Construction Methods & Matls	3
PHY 182/182L Engineering Physics II*	4	CEM 252L Const Methods & Matls Lab	1
PSY 101 Gen Psy or SOC 101 Intro Soc*	3	COS 101 Oral Communication*	3
		ECO 202 Principles of Microeconomics	3
		GEY 100V Las Vegas Geology	1
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>17</b>

<b>Third Year - Fall</b>	<b>Cr</b>	<b>Third Year - Spring</b>	<b>Cr</b>
ACC 251 Elementary Accounting I	3	AAD 125L Construction Drawings & Detail	2
ECO 190 Global Economics	3	CEG 342 Structural Analysis	3
HMD 395 Facilities Management	3	CEM 330 Soils & Foundations For Const	3
MEG 302/302L Material Mechanics & Lab	4	CEM 350 Facility Systems Design/Const	3
MIS 210 Intro to Programming Techniques	3	EKG 307 Engineering Economics	3
		MEG 360 Safety Engineering	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>17</b>

<b>Third Year - Summer</b>	<b>Cr</b>
CEM 300 Const Industry Practicum	0

<b>Fourth Year - Fall**</b>	<b>Cr</b>	<b>Fourth Year - Spring**</b>	<b>Cr</b>
ABS 441 Structures III	3	ABS 440 Structures II	3
CEM 451 Construction Estimating I	3	CEG/CEM Management Elective***	3
CEM 451L Construction Estimating Lab	1	CEM 453 Const Sched & Res Opt	3
CEM 452 Construction Cost Control	3	CEM 455 Construction Mgmt Practice	3
CEM 452L Construction Cost Control Lab	1	CEM 485 Construction Law & Contracts	3
ENG 404 Fundamentals Technical Writing	3	MGT/MIS Upper Division Business Elect^^	3
MGT 301 Principles Mgmt & Org Behav	3		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>18</b>

TOTAL CREDITS = 138

\* Pre-program requirement

\*\*CQE Level I Exam should be taken in final year ^ Humanities elective to satisfy Multicultural reqt

\*\*\*CEM 450 Const Field Insp; or CEM 470      ^^Business Elective must be from approved list  
 Const Automation; or CEG 409 Proj Managemnt;  
 or CEG 421 Professional Practice