

CONSTRUCTION MANAGEMENT (B.S.)

Degree: Bachelor of Science

Major: Construction Management

Total Hours: 120

B.S. in Construction Management (CM) degree requires a total of 120 credit hours. For a complete list of courses, refer to the Degree Plan of Construction Management and the Course Flow.

Undergraduate Entrance Requirements: The entrance requirements from high school for the CM Program are English (4 units), Mathematics (Algebra - 2 units, Geometry - 1 unit, Pre-calculus or Trigonometry - 1 unit), and Natural Sciences (Chemistry - 1 unit, Physics - 1 unit). Students who meet the general entrance requirements of Lamar University, but lack in specific requirements for the construction management curricula may enroll in the CM Program; however, all deficiencies must be removed before the end of the second academic year. The CM Program urges students with entrance deficiencies or weaknesses to use the summer terms preceding the freshman year in college to remove them.

In addition to the University's academic policies, the CM Program enforces the following standards:

- Students are required to take courses in the numeric sequence generally shown in the University Catalog for the CM Program and in the order approved in the CM Program of Study, available in the CM office.
- GPA requirement – To graduate, a student must have a minimum 2.5 GPA within their discipline (major courses); major courses include all CMGT courses and the College of Business courses. Per the Lamar University policy, students must also have a 2.0 GPA overall.
- Degree credit – For certain courses required in the CMGT degree plan, prerequisites specify that a grade of C or better is mandatory. To stay on track to graduation, students must earn a grade of C or better for ENGL 1301 Composition I, MATH 2312 Pre Calculus and Elementary Functions, PHYS 1305 Elementary Physics I Lecture, and PHYS 1307 Elementary Physics II Lecture.
- The student's advisor must approve all electives.
- Attendance Policy: students enrolled in (CMGT) classes will be automatically dropped after 5 unexcused absences. This policy, as well as what constitutes an excused absence, is communicated in each CMGT Syllabus.

Code	Title	Hours
General Education Core Curriculum		
<i>Communications</i>		
ENGL 1301	Composition I	3
COMM 1321	Business and Professional Speech	3
<i>Mathematics</i>		
MATH 2312	Pre Calculus and Elementary Functions	3
<i>Life and Physical Sciences</i>		
PHYS 1305	Elementary Physics I Lecture	3
Select one of the following:		3
BIOL 1308	General Biology (Non-Science Majors)	
BIOL 2306	Environmental Science	

CHEM 1311	General Chemistry I	
GEOL 1390	Introductory Environmental & Physical Geology	
PHYS 1307	Elementary Physics II Lecture	
<i>Language, Philosophy and Culture</i>		
PHIL 2306	Ethics	3
<i>Creative Arts</i>		
Select one of the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
DANC 2303	Dance Appreciation	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	
<i>American History</i>		
Select two of the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
HIST 2301	Texas History	
<i>Government/Political Science</i>		
POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3
<i>Social and Behavioral Sciences</i>		
ECON 1301	Principles and Policies	3
<i>Component Area Option</i>		
ENGL 1302	Composition II	3
BUAL 2305	Business Statistics	3
	or BUAL 2310	
	or MATH 1342 Elementary Statistical Methods	
Required Major Courses		
<i>Construction Management Courses</i>		
CMGT 1310	Intro Construction Management	3
CMGT 1320	Light Construction Materials and Methods	3
CMGT 2310	Heavy Construction Materials and Methods	3
CMGT 2330	Fundamental Statics	3
CMGT 2350	Construction Surveying	3
CMGT 2420	Construction Graphics Communication	4
CMGT 3330	Structural Behavior I	3
CMGT 3340	Industrial and Mechanical Construction	3
CMGT 3350	Electrical Systems	3
CMGT 3360	Structural Behavior II	3
CMGT 4100	Internship/Independent Study	1
CMGT 4270	Strategic Analysis and Evaluation	2
CMGT 4310	Construction Planning and Scheduling	3
CMGT 4325	Construction Project Management	3
CMGT 4340	Construction Soils and Earthwork	3
CMGT 4350	Legal Practices in Construction	3
CMGT 4370	Construction Safety Management	3
CMGT 4420	Construction Cost Estimating and Analysis	4

CMGT 4470	Capstone Construction Project	4
CMGT 4399	Special Topics in Construction Management or CMGT 4380 Sustainable Built Environment and Society	3

Other Courses*Additional Coursework*

ACCT 2301	Introduction to Financial Accounting	3
BULW 3310	Business Law	3
FINC 3310	Principles of Finance	3
MGMT 3310	Principles of Organizational Behavior and Management	3
MISY 3310	Principles of MIS	3
MISY 1373	Introduction to Business Technologies	3

Total Hours	120
--------------------	------------

Course	Title	Hours
First Year		
Fall		
ENGL 1301	Composition I	3
HIST 1301	U S History I 1763-1877	3
MATH 2312	Pre Calculus and Elementary Functions	3
MISY 1373	Introduction to Business Technologies	3
CMGT 1310	Intro Construction Management	3
Hours		15

Spring		
ENGL 1302	Composition II	3
HIST 1302	U S History II Since 1877	3
MATH 1342	Elementary Statistical Methods or BUAL 2305 or Business Statistics or BUAL 2310	3
PHYS 1305	Elementary Physics I Lecture	3
CMGT 1320	Light Construction Materials and Methods	3
Hours		15

Second Year

Fall		
ECON 1301	Principles and Policies	3
Select one of the following Life/Physical Sciences:		3
CHEM 1311	General Chemistry I	
PHYS 1307	Elementary Physics II Lecture	
GEOL 1390	Introductory Environmental & Physical Geology	
BIOL 1308	General Biology (Non-Science Majors)	
BIOL 2306	Environmental Science	
COMM 1321	Business and Professional Speech	3
POLS 2301	Intro to American Government I	3
CMGT 2310	Heavy Construction Materials and Methods	3
Hours		15

Spring		
POLS 2302	Intro/American Government II	3
PHIL 2306	Ethics	3
ACCT 2301	Introduction to Financial Accounting	3
CMGT 2420	Construction Graphics Communication	4
CMGT 2330	Fundamental Statics	3
Hours		16

Summer

CMGT 4399 or CMGT 4380	Special Topics in Construction Management ^{1, 2} or Sustainable Built Environment and Society	3
Hours		3

Third Year

Fall		
CMGT 2350	Construction Surveying	3
CMGT 3330	Structural Behavior I	3

CMGT 3340	Industrial and Mechanical Construction	3
CMGT 4310	Construction Planning and Scheduling	3
CMGT 4370	Construction Safety Management	3

Hours	15
--------------	-----------

Spring

FINC 3310	Principles of Finance	3
MISY 3310	Principles of MIS	3
CMGT 3350	Electrical Systems	3
CMGT 3360	Structural Behavior II	3
CMGT 4100	Internship/Independent Study	1

Hours	13
--------------	-----------

Fourth Year**Fall**

BULW 3310	Business Law	3
MGMT 3310	Principles of Organizational Behavior and Management	3
CMGT 4420	Construction Cost Estimating and Analysis	4
CMGT 4340	Construction Soils and Earthwork	3

Hours	13
--------------	-----------

Spring

CMGT 4325	Construction Project Management	3
CMGT 4350	Legal Practices in Construction	3
CMGT 4270	Strategic Analysis and Evaluation	2
CMGT 4470	Capstone Construction Project	4
Creative Arts Core		3

Hours	15
--------------	-----------

Total Hours	120
--------------------	------------

¹ CMGT 4399 can be taken in the Spring or Summer semesters starting the second year through the forth year.

² CMGT 4380 can be taken in the Summer semesters starting the second year through the third. CMGT 4380 is only offered once every two years.