CAL POLY
SAN LUIS OBISPO

B.S. in Construction Management
Suggested 4-Year Academic Flowchart

Updated 7/27/2022

FRESHMAN

Fall	Winter	Spring
Introduction to Construction Management **CM 102 (2)**	Construction Materials and Assemblies **CM 113 (2)** (Recom: CM 102)	Fundamentals of Construction Management **CM 115 (6)** (ARCE 106 or CM 113; MATH 141; PHYS 141)
	Construction Materials and Assemblies Lab **CM 114 (2)** (CM 113†; Recom: CM 102)	
Calculus I **MATH 141 (4)*** [B4]	Calc for Arch & Construction Mgmt **MATH 182 (4)[1]** (MATH 141) [GE Elective]	Select one: PHYS/CHEM **PHYS 142 (4)*** **CHEM 124 (4)*** **CHEM 127 (4)*** [B1 & B3]
Principles of Environmental Design **EDES 123 (4)** [E]	General Physics I **PHYS 141 (4)** (MATH 141 w/min C-; MATH 142 or 182†) [B1]	Select one: Surveying **BRAE 239 (4)** (MATH 119 or equiv) **OR** **CM 239 (4)** (MATH 119 or equiv)
Oral Communication **COMS 101/102 (4)*** [A1]		
Expository Writing **ENGL 133/134 (4)*** [A2]		
Reasoning, Argumentation, & Writing [A3] **COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGQS 145 (4)*** (Completion of GE A2 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.		
14	**16**	**18**

SOPHOMORE

Fall	Winter	Spring
Residential Construction Management **CM 214 (5)** (CM 115, PHYS 142 or CHEM 124; CM 232†)	Construction Law **CM 334 (2)** (CM 115 and BUS 207)	Commercial Construction Management **CM 313 (5)** (CM 214, ARCE 212; CM 334†)
Evaluation of Cost Alternatives **CM 232 (3)** (MATH 142 or 182)	Survey of Economics **ECON 201 (4)** [D2]	Introduction to Structural Systems **ARCE 226 (3)** (ARCE 212)
Building Information Modeling **CM 280 (2)** (CE 113 or CM 115)	Financial Actg Non-Bus MJR **BUS 212 (4)** **OR** Financial Accounting **BUS 214 (4)**	Statistics **STAT 251 (4)*** **OR** **STAT 312 (4)***
Structures I & II **ARCE 211 (3) & ARCE 212 (3)** (PHYS 121 or 141; MATH 142 or 182) **OR** Engineering Statics & Mech of Materials I **ME 211 (3) & CE 204 (3)** (MATH 241; PHYS 131 or 141)		Managerial Accounting **BUS 215 (4)** (BUS 212 or 214 or equiv)
Legal Responsibilities of Business **BUS 207 (4)**	GE (4) **	
17	**17**	**16**

JUNIOR

Fall	Winter	Spring
Jobsite Construction Management **CM 413 (5)** (CM 313)	Sustainability and the Built Environment **CM 317 (4)** (Jr Standing; GE Areas A and B4) [Upper-Div B]	Heavy Civil Construction Management **CM 314 (5)** (CM 239 or BRAE 239; CM 313 or CM/CE 371)
Construction Accounting **CM 335 (2)** (BUS 215 and CM 232)	Technical Electives (4)[2] (Jr Standing or Instr. Consent)	Senior Project Methodology **CM 460 (2)** (CM 313; Jr Standing)
Housing and Communities **CM 318 (4)** (Jr Stdg.; GE A; GE B4; lower-div GE D) [Upper-Div D]	Physical Geology **GEOL 201 (3)** (MATH 119)	Corporate Communication **ENGL 310 (4)[3]** (GE Area A. Recom: Jr Standing) [GWR]
Introduction to Structural Design **ARCE 315 (4)** (ARCE 226)		
	GE (4) **	GE (4) **
	Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)	
15	**15**	**15**

SENIOR

Fall	Winter	Spring
Specialty Contracting Constr Mgmt **CM 411 (5)** (CM 313)	Management of the Construction Firm **CM 443 (3)** (CM 334; 335; and 413)	Integrated Project, Design & Program Mgmt **CM 450 (5)** (STAT 251 or 312; CM 313 and 334)
Technical Electives (4)[2] (Jr Standing or Instr. Consent)		Senior Project I **CM 461 (1)** (CM 460 & consent of project advisor)
	Upper-Div BUS, ECON, or ITP Course (4)*	Senior Project II **CM 462 (1)** (CM 460 & consent of project advisor)
	Soil Mechanics **ARCE 421 (3)** (ARCE 212; GEOL 201)	
GE (4) **	GE (4) **	GE (4) **
GE (4) **		GE (4) **
17	**14**	**15**

	TOTAL:	189

Notes:

MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

* Refer to current catalog for prerequisites.

** One course from each of the following GE areas must be completed: A1, A2, A3, B2, C1, C2, Lower-Division C Elective, Upper-Division C, D1, F, and GE Elective. Upper-Division C should be taken only after Junior standing is reached (90 units).

Refer to online catalog for GE course selection and Graduation Writing Requirement (GWR).

Quarterly advisor meetings are required prior to registration.

† Course can be taken previously or concurrently.

[1] MATH 142 Calculus II substitutes for MATH 182.

[2] Technical Electives. Select 8 units from CM Technical Electives: CE 413, 429, 474; CM 420, 421, 422, 423, 424, 425, 426, 475, 485.

[3] Course completes GWR requirement with at least a C grade and by passing the in-class essay assignment.

Legend:

Course Title
Course # (Units)
(Prerequisite)
[GE Area]

- Major (74)
- Support (71)
- General Ed. (44)