



**Central Washington University**  
**Bachelor of Science in Construction Management**  
**4-Year Academic Curriculum Map**

Freshman			Sophomore			Junior			Senior		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Transition to CWU UNIV 101 (1) [FYE]	Construction & The Built Environment CMGT 101 (4)* [K4P5]		Construction Documents CMGT 265 (3)* (CMGT 201 & ETSC 161)		Plane Surveying with Laboratory CMGT 267 (4) (MATH 154 and CMGT 265)	Introduction to Geology with Laboratory GEOL 101 (5) [K7P6]	Electrical Systems with Laboratory CMGT 320 (3) (CMGT 265)	Business & Professional Speaking COM 345 (4)	Soils & Foundations with Laboratory CMGT 450 (4) (CMGT 211 & CMGT 212 & CMGT 346 or CMGT 347)	Temporary Structures CMGT 440 (4) (CMGT 212 and CMGT 346 or CMGT 347)	Concrete Construction with Laboratory CMGT 460 (4) (CMGT 440 or CMGT 441)
Practice & Discovery PADS 184 (4) [FYE]	Architectural Computer Aided Design ETSC 161 (3)	Computer Applications in Construction CMGT 301 (3)* (CMGT 101)	Construction Structures I with Practice CMGT 211 (3) (PHYS 111)	Construction Structures II with Laboratory CMGT 212 (3) (CMGT 211)	Construction Estimating I with Laboratory CMGT 343 (4)++ (CMGT 265)	Construction Estimating II with Laboratory CMGT 344 (4)	Construction Planning, Scheduling, and Control with Laboratory CMGT 447 (4) (CMGT 344 or CMGT 345)	LEED in Sustainable Construction CMGT 452 (4)	Wood & Steel Construction CMGT 441 (4) (CMGT 212 and CMGT 346)	Pavement Design & Construction with Laboratory CMGT 461 (4) (CMGT 212 and CMGT 346 or CMGT 347)	
Pre-Calculus I MATH 153 (5) (MATH 152 or MATH 100C) [FYE]	Pre-Calculus II MATH 154 (5) (MATH 153) [FYE]	Intuitive Calculus MATH 170 (5) (MATH 153) [FYE]	Business Statistics BUS 221 (5) (ECON 130 or MATH 130 or higher) [FYE,QR]	Principles of Economics Microeconomics ECON 201 (5) [K6P3,P5,P6]	Accounting Skills for Non-Accounting Majors ACCT 301 (5) [K8P2,P6]	Construction Methods and Materials CMGT 346 (4)++ (CMGT 265)	Heavy Civil Estimating II with Laboratory CMGT 345 (4)	Principles of Construction Management CMGT 455 (4) (CMGT 447 & CMGT 444 or CMGT 445)	Professional Certification CMGT 488 (1) (CMGT 444 or CMGT 445) GR	Construction Management Capstone CMGT 481 (4) (CMGT 447) [GE] See note	
Academic Writing I Critical Reasoning & Responding ENG 101 (5) [FYE]	Academic Writing II Tactical Skills for Professionals MGT 200 (5) [K1]		Legal Environment to Business BUS 241 (5) (Sophomore Standing) [K2P6]	Management of Human Resources HRM 381 (5)* [K6,P2,P4]	Construction Safety and Health SHM 323 (3) (CMGT 265 or SHM 301)	Heavy Civil Methods and Materials CMGT 347 (4)++ (CMGT 265)	Building Mechanical Systems CMGT 442 (3) (CMGT 265)	Heavy Civil Utilities CMGT 443 (3) (CMGT 346 or CMGT 347)	Principles of Heavy Civil Construction Management CMGT 456 (4) (CMGT 447 & CMGT 444 or CMGT 445)	GE (5) [K5]	
	GE (5) [K3]		Math for Introductory Physics PHYS 110 (1)+* (MATH 100C with C or higher or MATH 152)		Cooperative Education (Summer) ETSC 490 (4)***	Heavy Civil Contract Law CMGT 445 (4) (GE K1, BUS 241, & CMGT 346 or 347)	Codes, Contracts, and Specifications CMGT 444 (4) (GE K1, BUS 241, & CMGT 346 or 347)	Organizational Management MGT 380 (5) [K6P1,P3,P6]	Engineering Project Cost Analysis ETSC 301 (4) (Math 153 or Math 154 or Math 172 or Math 173)	Construction Management Competition Preparation - Winter CMGT 495B (2)** (CMGT 395A and CMGT 395B or CMGT 495B) [GE]	
			Introductory Physics with Laboratory PHYS 111 (5)+* (MATH 154) [FYE]			Alternate Construction Management Competition Preparation - Fall CMGT 395A (1) (CMGT 346 or CMGT 347)	Alternate Construction Management Competition Preparation - Winter CMGT 395B (1) (CMGT 346 or CMGT 347)	Principles of Marketing MKT 360 (5)+ [K2P5,P6]	Construction Management Competition Preparation - Fall CMGT 495A (2)** (CMGT 344 or CMGT 345) [GE]	Construction Accounting, Finance, and Contemporary Topics CMGT 485 (4) (CMGT 444 or CMGT 445 and ACCT 301 and ETSC 301)	
15	18	12	16	11	15	13	15	13	16	10	12
										***ETSC 490	4
										Total Credits	170

**Notes:**  
 \*CMGT 101, CMGT 201, & CMGT 265 are courses offered in multiple quarters.  
 \*\*CMGT 495A and CMGT 495B may be substituted for CMGT 481.  
 \*\*\*ETSC 490 (4 credits) offered during the summer.  
 Total credits for CMGT program is 170 credits.  
 Total credits required for B.S. in CMGT degree = 180 credits  
 Graduation Requirement (GR) - All students must sit for American Institute of Construction (AIC) exam and pass with >60%  
 Reduced math credits by removing MATH 172, replace with MATH 170 and add BUS 221 and restructured ETSC 311 & ETSC 312  
 Changed sequencing of courses to better align with scheduling of courses and topical information.  
 +Minor - Students can add HRM 381 (5 credits) and MKT 360 (5 credits) for a Business Minor  
 Courses that align close to a required course can be substituted (Ex. Macroeconomics could be substituted for Microeconomics if credits and requirements align).  
 ++C or higher is required in CMGT 346 or CMGT 347 and CMGT 343 to continue in the Construction Management program.  
 \* If students take MATH 154 concurrently with PHYS 111, they must enroll in PHYS 110 (1 Credit) for combined PHYS 110 & 111 (6 Credits), if math is at a higher level than MATH 154 when entering, PHYS 110 is NOT needed.  
 First Year Experience [FYE] Course: QR = Quantitative Reasoning  
 Additional courses may be required to meet the University graduation requirement of 180 credits.

**Legend:**

Course Title	Yellow	Major Requirement
Course # (Units) (Prerequisite)	Blue	Introductory Courses
	Orange	Major & General Education Requirement
	Green	General Education Requirement [XX]
[GE Area]	Light Blue	Business Minor Courses