

**Student Learning Outcomes - Course Learning Outcomes
Introduce - Reinforce - Assessment Map AY 2019-2020**

Course	Course Title	SLO 1 Write	SLO 2 Oral	SLO 3 Safety	SLO 4 Estim	SLO 5 Sched.	SLO 6 Ethics	SLO 7 Docs.	SLO 8 Methods	SLO 9 Team	SLO 10 IT	SLO 11 Survey	SLO 12 Deliver	SLO 13 Risk	SLO 14 Acct.	SLO 15 QA/QC	SLO 16 Control	SLO 17 Contract	SLO 18 Sustain.	SLO 19 Struct.	SLO 20 MEP
CMGT 100	Concepts of Construction	I		I	1	I	I			I			I		I	1	I	I			
CMGT 101	* Construction Management Career Prep																				
CMGT 110	Construction Graphics							I			I										
CMGT 135	Construction Materials and Systems								I							I			I		
CMGT 210	Analysis of Construction Drawings and Specifications				I		I	R			R	I	R								I
CMGT 235	Electrical and Mechanical Systems																		R/DA		DA
CMGT 270	* Building Information Modeling																				
CMGT 275	* Architectural History																				
CMGT 330	Principles of Soil Mechanics and Foundations		I									DA				R					
CMGT 332	Construction Method Analysis		DA		R	R		R	DA	DA			R	I		R	R				R
CMGT 335	Construction Equipment			R					DA			R									
CMGT 340	Principles of Statics																			I	
CMGT 345	Mechanics of Materials																			DA	
CMGT 352	* Electrical Construction Estimating																				
CMGT 360	Construction Project Management	R	R	DA			R			R			DA	R					R		
CMGT 380	* Green Building Practices and LEED Certification																				
CMGT 440	Temporary Structures																			R	
CMGT 450	Construction (Building) Estimating				DA		DA				R			R	R						
CMGT 455	Construction Cost Management	R													DA	DA	DA				
CMGT 457	Project Control and Scheduling					DA		DA			DA			R			R				
CMGT 458	Heavy Construction Estimating				DA				R		R	R		R	R						
CMGT 460	Legal Aspects of Construction	DA					R							DA					DA		
CMGT 462	Construction Contracts		R				DA							DA					DA		
	Graduating Senior Survey	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA

	Survey's performed every 2-3 years																				
	Alumni Survey	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA
	Employers Survey	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA	IA

* = CMGT Elective Course I = Introduced R = Reinforced DA = Direct Assessment IA = Indirect Assessment

Upon graduation from an accredited ACCE 4-year program a graduate shall be able to:

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| SLO 1 | Create written communications appropriate to the construction discipline. | SLO 12 | Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process. |
| SLO 2 | Create oral presentations appropriate to the construction discipline. | SLO 13 | Understand construction risk management. |
| SLO 3 | Create a construction project safety plan. | SLO 14 | Understand construction accounting and cost control. |
| SLO 4 | Create construction project cost estimates. | SLO 15 | Understand construction quality assurance and control. |
| SLO 5 | Create construction project schedules. | SLO 16 | Understand construction project control processes. |
| SLO 6 | Analyze professional decisions based on ethical principles. | SLO 17 | Understand the legal implications of contract, common, and regulatory law to manage a construction project. |
| SLO 7 | Analyze construction documents for planning and management of construction processes. | SLO 18 | Understand the basic principles of sustainable construction. |
| SLO 8 | Analyze methods, materials, and equipment used to construct projects. | SLO 19 | Understand the basic principles of structural behavior. |
| SLO 9 | Apply construction management skills as an effective member of a multi-disciplinary team. | SLO 20 | Understand the basic principles of mechanical, electrical and plumbing systems. |
| SLO 10 | Apply electronic-based technology to manage the construction process. | | |
| SLO 11 | Apply basic surveying techniques for construction layout and control. | | |