

**Table: Correlation of Program Level Outcomes (PLO) and FMAC Competencies with Department Long and Short Term Goals**

Long Term Department Goals (LG)	Short Term Department Goals (SG)	CM Program Learning Outcomes (PLO)		FMAC Outcomes		Assessment Methods
		SLO No.	ACCE Student Learning Outcome	Com p. No.	FMAC Competencies	
LG1: Continue to improve curriculum to reflect global and national construction industry needs.	SG1: Prepare students for successful construction industry career.	1	Create written communications appropriate to the construction discipline	7a	The student demonstrates written, oral, aural, and graphic communication skills through repetitive assessment and evaluation of industry appropriate genre.	Program Level Outcomes Assessments  Students Exit Surveys
		2	Create oral presentations appropriate to the construction discipline.	7a	The student demonstrates written, oral, aural, and graphic communication skills through repetitive assessment and evaluation of industry appropriate genre.	
		3	Create construction project safety plan.	3e	The student can interpret, apply, and recommend quality improvement programs.	Capstone Assessments
		4	Create construction project cost estimates.	2a	The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.	
		5	Create construction project schedules.	2a	The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.	
		6	Analyze professional decisions based on ethical principles.	4a	The student can identify the skills needed to strategically lead process, the organization, stakeholders and technologies in an ethically responsible way.	
		7	Analyze construction documents for planning and management of construction processes	3c	The student can assess the condition of the facility including its systems, structure, interiors, exteriors and grounds to establish a long term facility plan for the organization.	

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		8	Analyze methods, materials, and equipment used to construct projects.	3d	The student can demonstrate a method to plan, measure and evaluate the facility's operational performance.	
		9	Apply construction management skills as a member of a multi-disciplinary team.	6a	Using factors around health, safety, welfare, comfort, safety and security within the organization, the student can practice applications of human resource management.	
		10	Apply electronic-based technology to manage the construction process.	8a	The student demonstrates the ability to understand and to apply computer applications for facility management problem solving.	
				3f	The student can align facility management technology with organizational information technology.	
		11	Apply basic surveying techniques for construction layout and control.	Mapping does not exist between this SLO and FMAC competencies		
		12	Understand different methods of project delivery and the roles and the responsibilities of all constituencies involved in the design and construction process.	2a	The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.	
		13	Understand construction risk management.	2a	The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.	
				3g	The student can comprehend and prepare emergency preparedness	

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					and business continuity strategies.	
		14	Understand construction accounting and cost control.	2a	The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.	
				5a	The student uses analysis, budgeting, accounting, risk management, and reporting to demonstrate applications of facility financial management.	
				5b	The student can describe applications of corporate real estate finance, management and transactional execution.	
		15	Understand construction quality assurance and control.	2a	The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.	
				3e	The student can interpret, apply, and recommend quality improvement programs.	
		16	Understand construction project control processes.	2a	The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.	
				3a	Using principles of acquisition, installation, operations, maintenance, outsourcing, renovation and disposition of building systems, structure, interiors, exterior and grounds, the student can demonstrate the phases of facility	

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					management from design/acquisition to final disposition.	
				3c	The student can assess the condition of the facility including its systems, structure, interiors, exteriors and grounds to establish a long term facility plan for the organization.	
		17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	2a	The student can manage project initiation, planning, execution, control and closeout, using scope, quality, schedule, budget, resources and risk.	
		18	Understand the basic principles of sustainable construction.	3h	The student can demonstrate awareness of sustainable stewardship principles applied to the built environment.	
		19	Understand the basic principles of structural behavior.	Mapping does not exist between this SLO and FMAC competency		
		20	Understand the basic principles of mechanical, electrical and plumbing systems.	3b	As a foundation for operations, maintenance and energy management, the student can recognize the systems, services and functions thereof, and the software applications that support them.	
		Mapping does not exist between this FMAC competency and SLO		1a	The student can explain the history, international practices, corporate organization and roles of the Facility Management profession	