

CEM Program Educational Objectives					CEM Student Learning Outcomes (SLO's)
Compelling Education	Analysis, Synthesis, & Evaluation	Modern Professional Practice	Immediate Employment / Grad School	Contemp. Society	
			X		1. Create written communications appropriate to the construction discipline.
			X		2. Create oral presentations appropriate to the construction discipline.
			X		3. Create a construction project safety plan.
			X		4. Create construction project cost estimates.
			X		5. Create construction project schedules.
	X	X	X	X	6. Analyze professional decisions based on ethical principles.
	X		X		7. Analyze construction documents for planning and management of construction processes.
	X		X		8. Analyze methods, materials, and equipment used to construct projects.
		X	X	X	9. Apply construction management skills as an effective member of a multi-disciplinary team.
	X	X	X		10. Apply electronic-based technology to manage the construction process.
X	X	X	X		11. Apply basic surveying techniques for construction layout of control.
X			X	X	12. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.
X			X	X	13. Understand construction risk management.
X			X		14. Understand construction accounting and cost control.
X			X		15. Understand construction quality assurance and control.
X			X		16. Understand construction project control processes.
X			X	X	17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.
X			X	X	18. Understand the basic principles of sustainable construction.
X			X		19. Understand the basic principles of structural behavior.
X			X		20. Understand the basic principles of mechanical, electrical, and plumbing systems.