

CIM Program Curriculum Matrix For Assessment:

CIM Core Course	Course Title	CIM Student Learning Outcomes													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
CIM 101	Introduction to Concrete		I		I			I	I	I					
CIMT 125	Concrete Projects Drawings Reading	D.A												D.A	
CIMT 231	Fundamentals of Concrete Properties & Testing	D.A	I	D.A		I		I	I		D.A		I		
CIMT 241	Concrete Construction Methods	P	D.A		I			P			P		P		
CIMT 325	Concrete Project Estimating and Bidding	D.A				P				P				D.A	I
CIMT 348	Concrete Repair and Restoration	P		P			D.A						D.A		
CIMT 363	Sustainability and the Built Environment								D.A						
CIMT 365	Advanced Concrete Technology	P	D.A	D.A				P			D.A		P		
CIMT 389	Concrete Industry Internship			I.A	P	D.A	I.A	D.A		D.A	P		P		
CIMT 453	Concrete Facilities Management				D.A	P		P	P		P	D.A	D.A		
CIMT 455	Precast Concrete Production Management	P			D.A	P		P	P			D.A	D.A	P	P
SMFG 458	Project Management														D.A
CMGT 460	Legal Aspect of Construction						D.A			P					
CIMT 466	Concrete Capstone Project		P	P	P	D.A		P	P	I.A	P	P	P	P	P
	Exiting Senior Survey	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A
	Employers Survey	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A	I.A

I= Introduction P= Practiced D.A= Direct Assessment I.A= Indirect Assessment

CIM Student Learning Outcomes (SLOs):

- 1- An ability to apply knowledge of mathematics, science, and technology to technical problems
- 2- A knowledge of modern techniques, tools and concrete construction methods
- 3- An ability to conduct standard tests and experiments and to analyze and interpret data
4. An understanding of principles of concrete production, efficiency and quality management procedures
5. An ability to communicate effectively in oral and written forms and demonstrate effective teamwork skills
6. An understanding of the legal, professional, and ethical responsibilities of the profession
7. An understanding of safe work practices pertaining to the concrete industry and recognition of the importance of a culture of safety

8. An understanding of sustainability and resiliency of the built environment
9. A recognition of the need for engagement in professional development
10. An ability to create concrete mix designs and mix proportions
11. An ability to apply basic accounting, economics, finance, marketing and management principles to create business plans and conduct financial analysis applicable to the concrete industry
12. An ability to evaluate and analyze technical problems and to develop effective solutions
13. An ability to utilize project drawings to develop cost estimates for concrete projects
14. An understanding of project scheduling and project management principles