## **Vecellio Construction Engineering Management Program**

Via Department of Civil and Environmental Engineering

## 2021-2022 MS-CEE Course Requirements Checklist

							Credit Hours	Semester Offered
I - VCEMP C	ommon Core (10 cred	lit hours	s requir	ed) <sup>1</sup>				I
CEE 5984	Capital Project Delivery Management <sup>2,3</sup>							F
CEE 5944	Seminar: Construction							F
CNST 5074	Construction Professional Competencies <sup>3</sup>							F
CNST 5114	Leadership in Arch/Engineer/Const							F
II - Track-Sp	ecific Requirements							
Non	-Thesis Track (3-6 credit hours requ	iired)		OR		Thesis Track (10 credit hours	required)	
CNST 5214	Construction Company Mgmt	3	S		CNST 5084	Methods in Const Research <sup>4</sup>	3	S
CEE 5904	Project and Report <sup>6</sup>	3	F, S		CNST 5424	Construction Research Present <sup>5</sup>	1	F, S
					CEE 5994	Research and Thesis	6	F, S
III - CEE Elec	tives (Minimum 12 credit h	ours, M	laximur	n 21 cı	redit hours; c	ourses may not be offered every	year)	•
CEE 5010	Schedule Impact Analysis							Not offered
CEE 5014	Facility Delivery & Financing Strategies						3	S
CEE 5020	Policy Making for Infrastructure							S
CEE 5024	Contract Administration & Claims Resolution <sup>7</sup>							Not offered
CEE 5034	Smart Sustainable Infrastructure						3	F
CEE 5060	Built Environment Information Modeling and Processing							F
CEE 5074	Global Virtual Design & Construction							S
CEE 5080	Infrastructure Asset Management							S
CEE 5084	Information Technology in Infrastructure							F
CEE 5984	Data Mining & Visualization in Built Environment							Not offered
CEE 5984	Transformative Infrastructure							S
CEE 5884	Legal Aspects of Civil/Construction/Environmental Engineering							F
CEE 5974	Independent Study <sup>8</sup>							F, S
IV - Other Ele	ectives (Minimum 0 credit ho	urs req	uired)					
BC 5024	Construction Cost Management							S
BC 5134	Sustainable Facility Systems							S
BC 5144	Sustainable Infrastructure Systems							F
BC 5314	Applied Building Sciences							F
Any 4000 or 5000 courses in the areas of Construction, Engineering, Business or Policy approved by advisor							3+	F, S

<sup>1</sup> Students exempt from taking CEE 5984 Capital Project Delivery Management will take 7 credits from Common Core.

<sup>2</sup> Students with significant undergraduate construction management courses OR industry experience may be exempt from enrollment.

<sup>3</sup> Fall entrants should enroll in first semester, spring entrants should enroll in second semester.

<sup>4</sup> Thesis students must take CNST 5084 or an approved substitute.

<sup>5</sup> Pass/Fail option only, taken in final semester.

<sup>6</sup>Not required for coursework-only exit option; enroll for 3 credits for P&R exit option.

<sup>7</sup> To be offered in Fall 2022.

<sup>8</sup> Approval of supervising faculty required; must submit independent study form in accordance with departmental policy.

## A PLAN OF STUDY <u>must</u> be submitted <u>before</u> completion of <u>15</u> hours of graduate coursework. Class waivers or variations from the Course Requirements <u>must be approved</u> by the Program

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