

**Vecellio Construction Engineering Management Program**  
Via Department of Civil and Environmental Engineering  
**2022-2023 MS-CEE Course Requirements Checklist**

				Credit Hours	Semester Offered
<b>I - VCEMP Common Core</b> <i>(10 credit hours required)<sup>1</sup></i>					
CEE 5984	Capital Project Delivery Management <sup>2,3</sup>	3			F
CEE 5944	Seminar: Construction	1			F
CNST 5074	Construction Professional Competencies <sup>3</sup>	3			F
CNST 5114	Leadership in Arch/Engineer/Const	3			F
<b>II - Track-Specific Requirements</b>					
<b>Non-Thesis Track (3-6 credit hours required)</b>			OR	<b>Thesis Track (10 credit hours required)</b>	
CNST 5214	Construction Company Mgmt	3	S	CNST 5084	Methods in Const Research <sup>4</sup>
CEE 5904	Project and Report <sup>6</sup>	3	F, S	CNST 5424	Construction Research Present <sup>5</sup>
				CEE 5994	Research and Thesis
<b>III - CEE Electives</b> <i>(Minimum 12 credit hours, Maximum 21 credit hours; courses may not be offered every year)</i>					
CEE 4014	Estimating, Productivity and Cost Engineering <sup>7</sup>	3			F, S
CEE 5004	Adaptive Reuse and Redevelopment	3			S
CEE 5014	Facility Delivery & Financing Strategies	3			S
CEE 5020	Infrastructure Policy	3			S
CEE 5024	Contract Administration & Claims Resolution	3			F
CEE 5034	Smart Sustainable Infrastructure	3			F
CEE 5060	Built Environment Information Modeling and Processing	3			F
CEE 5074	Global Virtual Design & Construction	3			S
CEE 5080	Infrastructure Asset Management	3			S
CEE 5084	Information Technology in Infrastructure	3			Not offered
CEE 5884	Legal Aspects of Civil/Construction/Environmental Engineering	3			F
CEE 5984	Engineering Project Control	3			S
CEE 5974	Independent Study <sup>8</sup>	1-3			F, S
<b>IV - Other Electives</b> <i>(Minimum 0 credit hours required)</i>					
BC 5154	Modeling in Design and Construction	3			S
BC 5134	Sustainable Facility Systems	3			S
BC 5144	Sustainable Infrastructure Systems	3			F
BC 5314	Applied Building Sciences	3			F
Any 4000 or 5000 courses in the areas of Construction, Engineering, Business or Policy <b>approved by advisor</b>				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> Approval of supervising faculty required; student will need to request a force-add.

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

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