

Department of Building Construction

**2017-2018 MS-BC Course Requirements Checklist**

				Credit Hours	Semester Offered
<b>I - BC Common Core<sup>1</sup></b> <i>(20 credit hours required)</i>					
BC 5264G	Fundamentals of Construction (take fall semester of first year)			6	F
BC 4434	Construction Practices I (take spring semester of first year; prerequisites = BC 5264G)			3	S
BC 4444 <sup>2</sup>	Construction Practices II (take fall semester of second year; prerequisite = BC 4434)			3	F
CNST 5124	Integrated Leadership Studio (take concurrently with BC 4434)			2	S
CNST 5114	Leadership for Arch/Engineering/Const			3	F
CNST 5074	Construction Professional Competencies			3	F
<b>II - Track-Specific Core</b>					
<b>Industry Track</b> <i>(6 credit hours required)</i>				OR	<b>Research Track</b> <i>(7-10 credit hours required)</i>
CNST 5214	Construction Company Mgt	3	S	CNST 5084	Methods in Construction Research
Business <sup>3</sup>	Business Elective	3	F, S	CNST 5424	Construction Research Present
				BC 5904	Project and Report
				OR	
				BC 5994	Research and Thesis
<b>III - BC Electives</b> <i>(2-6 credit hours required; may not be offered every year - check with instructor)</i>					
BC 5024 <sup>3</sup>	Cost Management of the Building Process			3	S
BC 5064	Innovation in Construction			3	F
BC 5114G	Building Information Modeling in Design & Construction			3	F
BC 5124G	Digital Construction and Manufacturing			3	S
BC 5134	Sustainable Facility Systems			3	S
BC 5144	Sustainable Civil Infrastructure Systems			3	F
BC 5314	Applied Building Sciences (CNST 5314)			3	F
BC 5974 <sup>4</sup>	Independent Study			1-3	F, S
<b>IV. Other Electives</b>					
Any approved 5000 (or higher) graduate level courses in the areas of Architecture, Engineering, or Construction				3 +	F, S

\*Minimum Total Credits Required for Degree **32**

<sup>1</sup> Specific core course requirements may be waived by your advisory committee and/or the Graduate Chair based on your individual background and prior coursework. If your committee determines that you are not required to take one of the courses listed in this category, you must substitute an equivalent number of elective credit hours to meet the minimum total credits required for degree.

<sup>2</sup> BC 4444 is a 4-credit course, of which only 3 credits can be used on your plan of study. 6 credits of 4000 levels courses are the maximum set by the graduate school.

<sup>3</sup> BC 5024 Cost Management of the Building Process will count as the business elective under the Industry Track.

<sup>4</sup> Include Independent Study form when submitting your Plan of Study. There is a limit to the number of hours that can be counted on the plan of study for 5974, 5984, and 6984 courses. Thesis students may count a maximum of six (6) hours, and non-thesis (P&R and industry track) may count a maximum of nine (9) hours of these courses.

**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 Department Graduate Chair.**