

## Master of Applied Science in Building Engineering/Building Science

MASC Program Cluster	YEAR ONE			YEAR TWO	Credit Totals
	Term 1 Sept-Dec 15 weeks	Term 2 Jan-Apr 15 weeks	Term 3 May-Jul 13 weeks	Term 4 Sep-Aug 45 weeks	
<b>Core Technical Courses</b>	<b>BSCI 9000</b> <b>Building Science 1</b> 3 credits  <b>BSCI 9020</b> <b>Building Materials</b> 3 credits	<b>BSCI 9110</b> <b>Building Envelope 1</b> 3 credits			9
<b>Elective Technical Courses</b>	<b>BSCI 9060</b> <b>Advanced Acoustics</b> 3 credits	<b>BSCI 9130</b> <b>Building Energy Performance</b> 3 credits  <b>BSCI 9150</b> <b>Mechanical Systems and Control</b> 3 credits  <b>BSCI 9170</b> <b>Ventilation and IAQ</b> 3 credits  <b>BSCI 9100</b> <b>Building Science 2</b> 3 credits	<b>BSCI 9210</b> <b>Building Envelope 2</b> 3 credits  <b>BSCI 9230</b> <b>Measurement &amp; Verification</b> 3 credits  <b>BSCI 9240</b> <b>Modeling Heat &amp; Mass Transfer in Buildings</b> 3 credits  <b>BSCI 9250</b> <b>Advanced Energy Simulation</b> 3 credits		6 or 9
	<b>BSCI 9090</b> <b>Directed Studies</b> 3 credits	<b>BSCI 9090</b> <b>Directed Studies</b> 3 credits	<b>BSCI 9090</b> <b>Directed Studies</b> 3 credits	<b>BSCI 9090</b> <b>Directed Studies</b> 3 credits	3 or 0
	<b>Optional:</b> <i>Students may take one 3-credit elective course at another institution. This course must be senior level, should contribute to the engineering training in Building Science, and must be needed to undertake the final MEng Project. Must be approved by the student's supervisor.</i>				
	<b>Optional Approved Technical Elective</b>	<b>Optional Approved Technical Elective</b>	<b>Optional Approved Technical Elective</b>	<b>Optional Approved Technical Elective</b>	3 or 0
<b>Research</b>	<b>BSCI 9050</b> <b>Research Methods</b> 3 credits		<b>BSCI 9650</b> <b>Research Proposal</b> 3 credits	<b>BSCI 9850</b> <b>Research Thesis</b> 12 credits	18
<b>Graduate Seminars</b>	<b>BSCI 9054</b> <b>Graduate Seminar Orientation</b>	<b>BSCI 9055</b> <b>Graduate Seminar Series (Terms 1 - 4)</b>			0
<b>Total Credits Required</b>					<b>36</b>