

Master of Applied Science Building Engineering/Building Science Program

MASc Program Cluster	Year One			Year Two	Credit Totals
	Term 1 Sept–Dec 15 wks	Term 2 Jan-Apr 15 wks	Term 3 May-Jul 13 wks	Term 4 Sep-Aug 48wks	
Core Technical Courses	BSCI 9000 <b>Building Science 1</b> 3 credits  BSCI 9020 <b>Building Materials</b> 3 credits	BSCI 9120 <b>Building Envelope 1</b> 3 credits			9
Elective Technical Courses	<b>BSCI 9060</b> <b>Building Science Acoustics</b> 3 credits	<b>BSCI 9130</b> <b>Building Energy Performance</b> 3 credits  <b>BSCI 9100</b> <b>Building Environment and Climate</b> 3 credits  <b>BSCI 9150</b> <b>Mechanical Systems and Control</b> 3 credits	<b>BSCI 9220</b> <b>Building Envelope 2</b> 3 credits  <b>BSCI 9230</b> <b>Measurement &amp; Verification</b> 3 credits  <b>BSCI 9250</b> <b>Advanced Energy Simulation</b> 3 credits	<b>BSCI 9170</b> <b>Ventilation and IAQ</b> 3 credits	6
	<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	
<p><b>Optional:</b> Students may take one 3-credit elective 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 Thesis. Must be approved by the student’s supervisor.</p>					
	<b>Optional Approved Technical Elective</b>	<b>Optional Approved Technical Elective</b>	<b>Optional Approved Technical Elective</b>	<b>Optional Approved Technical Elective</b>	
Research	<b>BSCI 9050</b> <b>Research Methods</b> (3 credits)				18
	<b>BSCI 9630</b> <b>Proposal Prep. Part 1</b> 0 credits	<b>BSCI 9640</b> <b>Proposal Prep. Part 2</b> 0 credits	<b>BSCI 9650</b> <b>Research Proposal</b> 3 credits	<b>BSCI 9850</b> <b>Research Thesis</b> 12 credits (48 wks.)	
Graduate Seminars	<b>BSCI 9054</b> <b>Graduate Seminar Orientation</b>				0
	<b>BSCI 9055</b> <b>Graduate Seminar Series (Terms 1-2)</b>				
<b>Total Credits Required</b>					<b>33</b>