

Master of Applied Science, Building Engineering/Building Science

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 14 wks	Term 4 Sep–Aug 48 wks	
Core Technical Courses	BSCI 9000 Building Science 1 3 credits BSCI 9020 Building Materials 3 credits	BSCI 9120 Building Envelope 1 3 credits			9
Elective Technical Courses	BSCI 9060 Building Science Acoustics 3 credits	BSCI 9130 Building Energy Performance 3 credits BSCI 9150 Mechanical Systems and Control 3 credits BSCI 9160 Noise Control (Acoustics 2) 3 credits BSCI 9180 Principles of Building Circularity & Life Cycle Assessment 3 credits	BSCI 9100 Building Environment and Climate 3 credits BSCI 9220 Building Envelope 2 3 credits BSCI 9230 Measurement and Verification 3 credits BSCI 9250 Advanced Energy Simulation 3 credits	BSCI 9170 Ventilation and IAQ 3 credits	6
	BSCI 9090 Directed Studies 3 credits	BSCI 9090 Directed Studies 3 credits	BSCI 9090 Directed Studies 3 credits	BSCI 9090 Directed Studies 3 credits	
<p>Optional: 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>					
	Optional Approved Technical Elective	Optional Approved Technical Elective	Optional Approved Technical Elective	Optional Approved Technical Elective	
Research	BSCI 9050 Research Methods (3 credits)				18
	BSCI 9630 Proposal Prep. Part 1 0 credits	BSCI 9640 Proposal Prep. Part 2 0 credits	BSCI 9650 Research Proposal 3 credits	BSCI 9850 Research Thesis 12 credits (48 wks.)	
Graduate Seminars	BSCI 9054 Graduate Seminar Orientation				0
	BSCI 9055 Graduate Seminar Series (Terms 1-2)				
Total Credits Required					33