

USC School of Architecture

LEARNING OBJECTIVES

MASTER OF BUILDING SCIENCE

Master of Building Science Students will demonstrate the following learning objectives upon completion of this degree program:

- a mastery of the intricacies of structure, environmental controls, sustainability, materials and methods, and computing, with a special strength in façade research.
- a solid understanding of core knowledge which is eventually amplified through their individual research projects.
- an ability to stretch in a variety of directions, both within the field and beyond into the related disciplines of heritage conservation, landscape architecture, and architecture.
- an ability to communicate the processes and results of technical research in both written and verbal communication.
- a mastery of methods of advanced technical analysis and the use of digital and physical tools appropriate to research in the building sciences
- an ability to scope and define a deep research program, and to conduct the research in professional ways.
- an ability to work in a manner consistent with understood professional standards and ethical responsibilities and to advance to the level of professional competence in their field of expertise.