

MASTER OF SCIENCE IN ARCHITECTURE

Overview

The Master of Science in Architecture (M.Sc.Arch.) is a one-year, three-semester program (completion of 36 credits is required). The program offers a critical and professional environment to investigate design strategies and design challenges in relation to the most pressing issues of the 21st century: resilient design, tropical and subtropical architectures, identity in a globalized world, health care design, housing design, conservation of the built environment and the effect of embedded technologies on design. The Master of Science in Architecture program is designed to provide a skills and knowledge base for professional application as well as future advanced doctoral study. The degree is STEM-designated which allows international students to apply for OPT for up to 36 months after graduation.

Curriculum Requirements

Master of Science in Architecture: Architectural Design

Code	Title	Credit Hours
ARC 608	Architecture Design	6
ARC 609	Architecture Design	6
ARC 610	Architecture Design Degree Project	6
ARC 629	Research in Design-Methods and Procedures (or other approved Research course)	3
ARC 699	Directed Research	3
History of Architecture Elective		3
Electives		9
Total Credit Hours		36

Master of Science in Architecture: Architectural Research

Code	Title	Credit Hours
ARC 629	Research in Design-Methods and Procedures (or other approved Research course)	3
ARC 699	Directed Research	3
ARC 810	Master's Thesis	6
History of Architecture Elective		3
Electives *		21
Total Credit Hours		36

* Electives must be selected in an area of concentration

Suggested Plan of Study

Master of Science in Architecture: Architectural Design

Concentrates on design by requiring two advanced Graduate Studios, Electives and a Master's Thesis in Design.

Fall		Credit Hours
ARC 608	Architecture Design	6
ARC 699	Directed Research	3
ARC 629	Research in Design-Methods and Procedures (or other approved Research course)	3
Electives (2)		3
	Credit Hours	15
Spring		
ARC 609	Architecture Design	6
History of Architecture Elective		3
Electives (3)		6
	Credit Hours	15

Summer		
ARC 610	Architecture Design Degree Project	6
Credit Hours		6
Total Credit Hours		36

Master of Science in Architecture: Architectural Research

Offers a more theoretically oriented program with Research, History and Theory Electives, other Electives and a written Master's Thesis.

		Credit Hours
Fall		
ARC 629	Research in Design-Methods and Procedures (or other approved Research course)	3
ARC 699	Directed Research	3
History of Architecture Elective		3
Electives (4)		6
Credit Hours		15
Spring		
Electives (5)		15
Credit Hours		15
Summer		
ARC 810	Master's Thesis	6
Credit Hours		6
Total Credit Hours		36

Goals

- To prepare students for professional leadership and lifelong learning in architecture, urbanism, and related fields.
- To preserve and develop knowledge for the profession through research and practice.
- To share knowledge locally and internationally through community service.
- To promote building and community design goals of environmental responsibility, social equity, and economic sustainability.

Student Learning Outcomes

- Students will demonstrate the ability to develop knowledge for the profession through research and practice.
- Students will demonstrate clear reasoning with organized presentation of evidence, assumptions, and conclusions.
- Students will demonstrate the ability to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions, and test alternative outcomes against relevant criteria and standards.
- Students will demonstrate the ability to read, write, speak and listen effectively.