MASTER OF SCIENCE IN ARCHITECTURE

In the MS Arch, you’ll conduct diverse research and learn under award-winning faculty who are researchers and leaders in knowledge areas across architecture and the built environment.

Conduct transformative applied research on architecture and the built environment.

The Master of Science in Architecture (MS Arch) is a STEM-designated graduate degree devoted to fundamental and applied research in the built environment with a flexible curriculum of approximately three semesters.

CAPLA’s MS Arch is the only graduate architecture program of its kind that allows you to move across and between concentration areas to form your own specialization in architectural research and practice.

Our dynamic program’s first semester includes a common foundation in research methods and a research studio, after which each student establishes an individual research project through a research seminar culminating in an original master’s project or thesis.

You’ll develop specialized skills in a concentration area while broadening knowledge, critical thinking and understanding about research practices. We offer engaging courses and advising in research areas that align with our faculty members’ expertise, including but not limited to:

- Critical spatial practice
- Design and energy conservation
- Emerging building technologies
- Health and the built environment
- Heritage conservation
- Sustainable market transformation
- Urban design

CAPLA-GRAD@ARIZONA.EDU

CAREER OUTLOOK

Demand for architects with research expertise in the built environment is high and growing in Arizona, across the nation and around the world.

CAPLA MS Arch graduates become leaders in the field of architectural research practice, international consultants in sustainable design, in-demand industry and technology specialists and cutting-edge researchers and teachers.

Our graduates are readily placed in their areas of expertise, including:

- Architecture firms for unique design-research skills
- Building technology manufacturers for specialized design expertise
- General contracting firms for distinct sustainability expertise
- National and state or provincial parks for historic preservation practice

CONTACT

CAPLA.ARIZONA.EDU/MS-ARCH
# Master of Science in Architecture Curriculum

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## Fall 1
- Research Studio
- Research Methods
- Core Elective OR Core Skill Development

## Spring 1
- Research Seminar
- Core Elective
- Elective
- Core Skill Development

## Fall 2
- Master's Report or Thesis
- Elective

## MS Arch Electives

### Fall Semester
- Design Communications III
- Computer Energy Analysis
- Materials: Properties and Tests
- Environmental Science Laboratory
- Introduction to Heritage Conservation
- Daylighting, Health and Behavior
- Sustainable Urban Design
- Introduction to Geographical Information Systems (GIS)
- Social Foundations of Sustainability

### Spring/Spring Semester
- Forms of Critical Inquiry and Expression
- Integrated Technologies II (Environmental Parametrics)
- Water Efficiency in Buildings
- Sustainable Design and the LEED Initiative
- Materials Modeling
- Special Topics in Architectural Research
- Biomimetics
- Social and Behavioral Issues in Built Environments
- Health and Wellbeing in the Built Environment
- Documentation and Interpretation of the Historic Built Environment
- Climate Action Planning
- Geodesign: Geographic Information and Tools for Planning and Design
- Transportation and Society
- Innovation, Design and Society

### Summer Semester (Online Only)
- Energy and the Environment
- Energy Use in Buildings
- Materials Conservation
- Introduction to Real Estate Finance

## Program Notes:
A minimum of 36 units of coursework is required.

## Core Skill Development Electives
Recommended in consultation with faculty chair/academic advisor, and may be taken in any order:

### Fall
- ARC 596D Daylighting, Health and Behavior

### Spring
- ARC 596D Social and Behavioral Issues in the Built Environments

Additional electives may be approved by faculty chair/academic advisor.

Updated 03/15/2023