MArch Arch
Master of Architecture

Under Review | Fall 2023

Proposal Information

Status

Active

Workflow Status

In Progress

Faculty Senate Approval, Faculty Senate   expand ▲

Waiting for Approval | Faculty Senate Approval

    Rick Holmes

    Nancy Middlebrook

Changes

- Admissions Requirements
- Requirements
- Emphasis Rules
- participants
- Learning Outcomes

Show All ❯

Proposal Information

Proposed
Sponsoring faculty member ❓

Aaron Cayer

Proposed
Faculty email

acayer@unm.edu

Existing
Sponsoring faculty member ❓

Existing
Faculty email

College

School of Architecture and
Planning

Department

Architecture and Planning

Campus

Main Campus

Effective Term and Year

Proposed
Proposed Effective Term and Year
Fall 2023

Existing
Proposed Effective Term and Year
Fall 2006

Justification

Proposed
Program Justification
This request is to add two new 3 credit courses to the "Track 3" emphasis of the Master of Architecture program--ARCH 512 and 517 (resurrecting an inactive course, 517)--which build additional visualization expertise into the degree. It requires the reduction of 3 elective units and the elimination of ARCH 623, with no overall change to total degree units. Track 3 is geared for students without an undergrad architecture degree. The revisions to the other tracks reflect minor changes that make ARCH 603 required for all and reflects how the degree has been taught for the past 3 years. Finally, this proposal requests the removal of Track 2.5, since some courses within it no longer exist (eg ARCH605), and since we no longer have students enrolled in the track. All changes have been voted on/approved by the full faculty.

Existing
Program Justification

Associated Forms

Proposed
Select any associated course forms that exist
ARCH 512 - Graduate Architectural Visualization I (3) | **Under Review**
ARCH 517 - Graduate Architectural Communications (2) | **Inactive**

Select any associated program forms that exist

Existing
Select any associated course forms that exist

Program Category and Level

Program Category	Program Level	Degree, Minor, or Certificate Name
Program	Graduate	Master of Architecture

Proposed **New Graduate Program**	**Dual Degree**	Proposed **New Undergrad Degree/Certificate**
No	No	No
Existing **New Graduate Program**		Existing **New Undergrad Degree/Certificate**
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Catalog Information

Program Description

Master of Architecture The Master of Architcture (M.Arch.) is offered under Plan I (thesis), Plan II (project), and Plan III (coursework only) according to the general requirements specified in the Graduate Program section of this Catalog. The nationally-accredited first professional degree may be completed through one of three tracks, described below. Additional Information Under current federal policy, Master of Architecture and Master of Science in Architecture graduates who are studying under an F1 visa are eligible to apply for a 24-month STEM extension to a graduate's 12-month post-graduate Optional Professional Training (OPT). More information can be found online at the U.S. Department of Homeland Security's Web site.

Proposed
Admissions Requirements

Entrance Requirements

Track 2: For students with a pre-professional undergraduate architecture degree (typically, a Bachelor of Science or Bachelor of Arts in Architecture) and sufficient coursework to fulfill the Track 2 prerequisites:

- six architectural design studios (5-6 credit hours each).
- three architectural history or architectural theory courses.
- one or two courses addressing passive design or environmental systems.
- one or two structures courses, addressing statics, mechanics of materials, structural analysis, and the design and behavior of basic structural elements and systems.
- one course addressing construction materials and assembly and construction methods.

Track 2 requires four semesters to complete. UNM Bachelor of Arts in Architecture students with a minimum cumulative GPA of 3.5 in all coursework and in studio courses are automatically admitted to Track 2.

Track 3: For students that already hold an undergraduate degree in any discipline; and for those who have completed an undergraduate degree in architecture or environmental design, but without sufficient coursework to apply for the Track 2 program. Track 3 students come from a variety of backgrounds, including art history, biology, economics, engineering, political science, etc.

Track 3 requires three years to complete, plus a summer session prior to the first year.

Existing

Admissions Requirements

Entrance Requirements

Track 2: For students with a pre-professional undergraduate architecture degree (typically, a Bachelor of Science or Bachelor of Arts in Architecture) and sufficient coursework to fulfill the Track 2 prerequisites:

- six architectural design studios (5-6 credit hours each).
- three architectural history or architectural theory courses.
- one or two courses addressing passive design or environmental systems.

Graduation Requirements tures courses, addressing statics, mechanics of materials, structural analysis, and the design and behavior of basic structural elements and systems.

- one course addressing construction materials and assembly and construction methods.

Track 2 requires four semesters to complete. UNM Bachelor of Arts in Architecture students with a minimum cumulative

Program Information

fo r all ma ... of their studio courses are automatically admitted to Track 2.

Degree Type

Track 2.5: For students with a pre-professional undergraduate architecture degree and sufficient coursework to fulfill the Master 2.5 prerequisites:

- four architectural design studios (5-6 credit hours each).

Degree/Certificate Type al history or architectural theory courses. **CIP Code** ❓ one course addressing passive design or environmental systems. **CIP Title** ❓

Graduate one course addressing passive design or environmental systems.

- one structures course, addressing statics, mechanics of materials, structural analysis, and the design and behavior of basic structural elements and systems.

Plan Options one course addressing construction materials and assembly and construction methods.

Plan I (Thesis)

Plan II (Non-thesis) two and one-half years to complete, or two academic years plus a summer session.

Plan III (Coursework only)

Track 3: For students that already hold an undergraduate degree in any discipline; and for those who have completed an undergraduate degree in architecture or environmental design, but without sufficient coursework to apply for the Track 2 or

2.5 programs. Track 3 students come from a variety of backgrounds, including art history, biology, economics, engineering,

Professional Credential/Licensure Program Information

political science, etc.

Proposed
Licensure Information
Pre-licensure

Existing
Licensure Information
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Proposed
Professional credential or licensure description
After graduation with an accredited degree such as this, one much complete the required amount of internship hours set forth by the National Council of Architectural Registration Boards and pass all registration exams in order to earn licensure.

Existing
Professional credential or licensure description

File Uploads

Proposed **Proposal File Upload**	**Executive Summary Upload**	**Associate Provost Memo**

- TYPICAL DEGREE PATH_M.ARCH .pdf

Existing
Proposal File Upload

Degree Information

Degree Hours
54-99

Minimum Major Hours

Professional Accrediting Bodies
National Architectural Accreditation Board (NAAB)

Degree Requirements

Requirements

- Complete all of the following
    - Completed between 45 and 99 credits from the following types of courses:
      Track 2, ~~2.5,~~ or 3 requirements. See Tracks below for required courses.
    - Track 2 note: The Architecture Department Chair may allow a program of study shorter than 54 credit hours, but not fewer than 45 credit hours.
    - ~~Track 2.5 note: The Architecture Department Chair may allow a program of study shorter than 69 credit hours, but not fewer than 60 credit hours.~~
    - Track 3 note: The Architecture Department Chair may allow a program of study shorter than 99 credit hours, but not fewer than 90 credit hours.

Grand Total Credits: 45 - 99

Concentrations

Program Concentrations

Code	Title

Concentration Required

No

Emphases

Emphasis required ❓

Yes

Emphasis Hours

54-99

Emphasis Rules

~~Track 2.5~~

- ~~Complete all of the following~~
  - **~~Track 2.5 Required Courses~~**
    - ~~Complete all of the following~~
      - ~~Complete the following:~~
        - ~~ARCH601 - Masters Architectural Design I (6)~~
        - ~~ARCH633 - Sustainability II (3)~~
        - ~~ARCH634 - Systems Integration I (3)~~
        - ~~ARCH652 - Pre-Design and Architectural Programming (3)~~
        - ~~ARCH602 - Masters Architectural Design II (6)~~
        - ~~ARCH621 - Research Methodology (3)~~
        - ~~ARCH624 - Architectural Theory (3)~~
        - ~~ARCH635 - Systems Integration II (3)~~
        - ~~ARCH603 - Masters Architectural Design III (6)~~
        - ~~ARCH651 - Professional Practice (3)~~
        - ~~LA556 - Site-Environment (3)~~
      - ~~Earn at least 3 credits from the following types of courses:~~
        ~~Architectural History or Architectural Theory (Plan II students may apply 3 credit hours of ARCH 596 to this elective.)~~
      - ~~Earn at least 6 credits from the following types of courses:~~
        ~~any graduate-level course~~
  - **~~Post-Master's review courses~~**
    - ~~Complete all of the following~~
      - **~~Plan I (thesis)~~**
        - ~~Complete all of the following~~
          - ~~Earn at least 6 credits from the following:~~
            - ~~ARCH596 - Project-Thesis Preparation (3 - 6)~~
            - ~~ARCH604 - Masters Architectural Design IV (6)~~
          - ~~Earn at least 6 credits from the following types of courses:~~
            ~~Arch596 Project-Thesis Preparation or Electives~~
          - ~~Complete the following:~~
            - ~~ARCH599 - Master's Thesis (6)~~
      - **~~Group II (project)~~**
        - ~~Complete all of the following~~
          - ~~Earn at least 6 credits from the following:~~
            - ~~ARCH597 - Master's Project (6)~~
            - ~~ARCH604 - Masters Architectural Design IV (6)~~
          - ~~Earn at least 6 credits from the following types of courses:~~
            ~~Arch596 Project-Thesis Preparation or Electives~~
          - ~~Complete the following:~~
            - ~~ARCH597 - Master's Project (6)~~
      - **~~Plan III (coursework)~~**
        - ~~Complete all of the following~~
          - ~~Complete the following:~~
            - ~~ARCH604 - Masters Architectural Design IV (6)~~
            - ~~ARCH605 - Masters Architectural Design V (6)~~

- ~~Earn at least 6 credits from the following types of courses: Electives~~

Track 2

- Complete all of the following
  - **Track 2 required courses**
    - Complete the following:
      - ARCH601 - Masters Architectural Design I   (6)
      - ARCH634 - Systems Integration I   (3)
      - ARCH652 - Pre-Design and Architectural Programming   (3)
      - ARCH602 - Masters Architectural Design II   (6)
      - ARCH621 - Research Methodology   (3)
      - ARCH624 - Architectural Theory   (3)
      - ARCH635 - Systems Integration II   (3)
      - ARCH651 - Professional Practice   (3)
      - LA556 - Site-Environment   (3)
      - ARCH633 - Sustainability II   (3)
      - **ARCH603 - Masters Architectural Design III   (6)**
    - ~~Complete at least 1 of the following:~~
      - ~~ARCH596 - Project-Thesis Preparation   (3 - 6)~~
      - ~~ARCH603 - Masters Architectural Design III   (6)~~
    - ~~Earn at least 3 credits from the following types of courses: Architectural History or Architectural Theory~~
    - ~~Earn at least 3 credits from the following types of courses: Elective: any graduate-level course~~
    - **Earn at least 3 credits from the following types of courses: Elective: Architectural History/Theory**
  - **Post-Master's review courses**
    - Complete 1 of the following
      - **Plan I (thesis)**
        - Complete all of the following
          - Earn at least ~~6~~ **3** credits from the following:
            - ARCH596 - Project-Thesis Preparation   (3 - 6)
          - Complete the following:
            - ARCH599 - Master's Thesis   (6)
      - **Plan II (non-thesis)**
        - Complete all of the following
          - Earn at least 3 credits from the following:
            - ARCH596 - Project-Thesis Preparation   (3 - 6)
          - Complete the following:
            - ARCH597 - Master's Project   (6)
      - **Plan III (coursework only)**
        - Complete all of the following
          - Complete the following:
            - ~~ARCH603 - Masters Architectural Design III   (6)~~
            - ARCH604 - Masters Architectural Design IV   (6)
          - **Earn at least 3 credits from the following types of courses:**

Elective: any graduate-level course

Track 3

- Complete all of the following
  Track 3 Required Courses
  - Complete all of the following
    - Complete the following:
      - ARCH500 - Graduate Architectural Design I (6)
      - ARCH570 - Introduction to Visualization (1)
      - ARCH501 - Graduate Architectural Design II (6)
      - ARCH523 - World Architecture I: History of the Built Environment From Prehistory to 1800 CE (3)
      - ARCH532 - Architectural Structures I (3)
      - ~~ARCH623 - Architectural Analysis~~ (3)
      - ARCH502 - Graduate Architectural Design III (6)
      - ARCH524 - World Architecture II: History of the Built Environment from 1800 CE to the Present (3)
      - ARCH531 - Graduate Construction I (3)
      - ARCH533 - Architectural Structures II (3)
      - ARCH601 - Masters Architectural Design I (6)
      - ARCH633 - Sustainability II (3)
      - ARCH634 - Systems Integration I (3)
      - ARCH652 - Pre-Design and Architectural Programming (3)
      - ARCH602 - Masters Architectural Design II (6)
      - ARCH621 - Research Methodology (3)
      - ARCH624 - Architectural Theory (3)
      - ARCH635 - Systems Integration II (3)
      - ARCH651 - Professional Practice (3)
      - LA556 - Site-Environment (3)
      - **ARCH603 - Masters Architectural Design III (6)**
      - **ARCH512 - Graduate Architectural Visualization I (3)**
      - **ARCH517 - Graduate Architectural Communications (2)**
    - Earn at least 2 credits from the following:
      - ARCH572 - Topics in Design Visualization (1 - 3)
    - Earn at least 3 credits from the following types of courses:
      Architectural History or Architectural Theory (Plan II students may apply three credit in ARCH 596 to count for this elective.)
    - Earn at least ~~9~~ **3** credits from the following types of courses:
      Elective: any graduate-level courses
  Post Masters Review Courses
  - Complete 1 of the following
    Plan I (thesis)
    - Complete all of the following
      - Complete the following:
        - ARCH599 - Master's Thesis (6)
      - Earn at least ~~6~~ **3** credits from the following:
        - ARCH596 - Project-Thesis Preparation (3 - 6)
    Plan II (project)
    - Complete all of the following

- Complete the following:
    - ARCH597 - Master's Project   (6)
- Earn at least ~~6~~ **3** credits from the following:
    - ARCH596 - Project-Thesis Preparation   (3 - 6)

Plan III (coursework)
- Complete all of the following
    - Complete the following:
        - ~~ARCH603 - Masters Architectural Design III   (6)~~
        - ARCH604 - Masters Architectural Design IV   (6)
    - **Earn at least 3 credits from the following types of courses:**
      Elective: Any graduate-level course

Program Learning Outcomes

Proposed
Learning Outcomes

PC.1 Career Paths— ensures that students understand the paths to becoming licensed as an architect in the United States and the range of available career opportunities that utilize the discipline's skills and knowledge.

PC.2 Design— instills in students the role of the design process in shaping the built environment and conveys the methods by which design processes integrate multiple factors, in different settings and scales of development, from buildings to cities.

PC.3 Ecological Knowledge and Responsibility—instills in students a holistic understanding of the dynamic between built and natural environments, enabling future architects to mitigate climate change responsibly by leveraging ecological, advanced building performance, adaptation, and resilience principles in their work and advocacy activities.

PC.4 History and Theory—ensures that students understand the histories and theories of architecture and urbanism, framed by diverse social, cultural, economic, and political forces, nationally and globally.

PC.5 Research and Innovation—prepares students to engage and participate in architectural research to test and evaluate innovations in the field.

PC.6 Leadership and Collaboration—ensures that students understand approaches to leadership in multidisciplinary teams, diverse stakeholder constituents, and dynamic physical and social contexts, and learn how to apply effective collaboration skills to solve complex problems.

PC.7 Learning and Teaching Culture—fosters and ensures a positive and respectful environment that encourages optimism, respect, sharing, engagement, and innovation among its faculty, students, administration, and staff.

PC.8 Social Equity and Inclusion—furthers and deepens students' understanding of diverse cultural and social contexts and helps them translate that understanding into built environments that equitably support and include people of different backgrounds, resources, and abilities.

Existing
Learning Outcomes