COLLEGE OF ARCHITECTURE GRADUATE DEGREE PROGRAMS OVERVIEW AND CURRICULUM





TEXAS A&M UNIVERSITY College of Architecture

arch.tamu.edu



Master of Architecture

Program Overview



The Master of Architecture (M.Arch)

is a NAAB accredited professional program whose curriculum produces conceptual comprehension and technical competency in the design of buildings and environments by weaving together five constituent trajectories: Design, Representation, History/Theory/ Criticism, Technology, and Engagement. Integral within these woven trajectories is the focus on the principles and practice of design synthesis as the confluence of processes and workflows; systems of construction; relationships to environmental, social, historical, and geographical contexts; and an in-depth understanding of topics ranging from aesthetics and symbolism to the complex relationships between human behavior and design. HIGHLIGHTS

• Creation of a course of study which blends five constituent trajectories around individualized student interests and strengths.

- Focused certificate programs available in facility management, health systems and design, historic preservation, and sustainable urbanism
- Related academic departments and research centers within the college support diverse activities and provide additional depth and resources in related areas, such as engineering, business and management

SPECIALIZATION(S)

- Specialization courses permit the student to structure a facultysupported program of study related to an established departmental emphasis area, certificate program or unique exploration topic.
- Students design unique degree plans to prepare for the final study, a design project that represents the culmination of the student's architectural education and preparation.

Complemented by other departments' courses in construction science, landscape architecture, land development, and urban and regional planning, and supported by College of Architecture research centers.

RESEARCH CENTERS

- Caudill Rowlett Scott (CRS) Center
- Center for Housing and Urban
 Development
- Hazard Reduction and Recovery Center
- Center for Health Systems and Design
- Center for Heritage Conservation

Architecture

CURRICULUM

| Core Courses | | |
|-------------------------|---|-------------|
| ARCH 605 | Architectural Design I | 6 hours |
| ARCH 606 | Architectural Design II | 6 hours |
| ARCH 631 | Structural Systems | 3 hours |
| ARCH 633 | Environmental Control Systems | 3 hours |
| ARCH 657 | Professional Practice | 3 hours |
| ARCH 658 | Building Materials and Assemblies | 3 hours |
| ARCH 605 or ARCH 639 | Structural and Environmental Technology Concepts | 3 hours |
| ARCH 644 or ARCH 649 | History of Modern Architecture | 3 hours |
| | Tot | al 30 hours |

| Specialization Courses | | | |
|------------------------|-------------------------------------|----------|--|
| ARCH 607 | Architectural Design III (Required) | 6 hours | |
| ARCH 608 | Architectural Design IV (Required) | 6 hours | |
| ARCH 685 | Final Study Proposal (Required) | 1 hour | |
| | Electives | 12 hours | |
| | Total | 25 hours | |
| | Total Coursework | 55 hours | |

ADMISSIONS

January 15: Application deadline

All Applicants must submit the following:

- Texas A&M University Application
- Official transcripts from all universities and/or colleges attended
- Graduate Record Exam (GRE) scores
- Test of English as a Foreign Language (TOEFL)
 scores
- Three letters of recommendation
- Academic/Professional Portfolio, including the following:
- A comprehensive goal statement
- A one or two-page resume
- Documentation of at least six projects from the design studio sequence

Must demonstrate skills in the following areas:

- Architectural theory and design
- Analytical and programmatic methods
- Evidence of tectonics as part of a comprehensive building design
- Proficiency in the use of design media (analog and digital media)
- Clear use of English

Apply at applicant.tamu.edu

Office of Admissions

Monday - Friday | 8AM - 5PM CST (979) 845-1060 <u>Admissions@tamu.edu</u>



Contact

James Haliburton, Ph.D., AIA Associate Department Head, M.Arch Program Department of Architecture Texas A&M University jh8man@tamu.edu





Master of Science In Architecture Program Overview

<image>

The Master of Science in Architecture degree is an advanced, multidisciplinary, 32-credit hour thesis degree program designed to provide highly qualified students with a traditional academic foundation in theoretical concepts and research methods in architecture. In this program, students develop support courses and a thesis topic in an emphasis area offered by the department or research centers associated with the college.

The degree is a nonprofessional degree at the master's level for those seeking advanced knowledge in preparation for careers in architectural research, or specialized practice and consulting. The degree may also act as a milestone toward a Ph.D. in architecture. The student can focus his or her studies within the emphasis areas and exploration topics formally identified by the Department of Architecture. Applicants are invited to inquire about topics outside of those areas, providing they can identify a core of available faculty and support resources, and submit a clearly defined plan of study.

The Master of Science in Architecture degree requires the completion of a minimum of 32 credit hours as outlined by the course work listed below. Students who lack proficiencies appropriate to their chosen area of study may require course work beyond the basic 32 hours. Specific deficiencies will be identified by the degree coordinator, the student's advisory committee chair, and/or the advisory committee. To maintain the fulltime student status, a student must take at least 9 credit hours during the fall and spring semesters.

All students will be assigned a temporary advisor upon admittance to the program. The student is responsible for selecting a faculty member with expertise in the chosen focus area to chair the student's thesis committee. The student and the committee chair will locate two or more graduate faculty members to join the committee. The role of the thesis committee is to provide guidance, advice, and critical judgment for the student in matters of degree planning, research methods, and the thesis.

Architecture

CURRICULUM

| Core Courses | | |
|--------------|--|---------|
| ARCH 690 | Research Idealogies for Architecture | 3 hours |
| ARCH 669 | Foundations of Research | 3 hours |
| CARC 698 | Writing for Publications | 3 hours |
| ARCH 681 | Graduate Seminar | 1 hour |
| | One graduate-level theory course with the course prefix ARCH | |
| | One graduate-level history course | |

 Pattern Study Courses

 Major Elective
 Major area of emphasis

 Minor Elective
 Minor or supporting area of study

 Free elective
 In consultation with thesis chair

 Electives
 Electives

| Thesis | | |
|----------|-----------------------------|-----------|
| ARCH 685 | Thesis proposal preparation | 2 hours |
| ARCH 691 | Thesis research | 5 credits |

Total Hours

32 hours (minimum)

ADMISSIONS

Deadlines

- January 15: Deadline for those wishing to be considered for financial aid
- March 15: Application deadline

Architecture program is offered to students possessing professional degrees in architecture as well as those possessing undergraduate degrees in related disciplines. Persons in fields other than architecture may be admitted conditionally and may be required to take additional coursework. Admission is also dependent upon the availability of appropriate faculty in emphasis areas identified by applicants. Besides completing the standard university graduate application, the applicant must also:

- Provide a one page resume giving an educational and work history
- Provide a one- to two-page statement of purpose and outline of a proposed study program
- Provide three letters of recommendation
- Apply at <u>applicant.tamu.edu</u>

Office of Admissions

Monday - Friday | 8AM - 5PM CST (979) 845-1060 <u>Admissions@tamu.edu</u>



Contact

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MS/M.Arch

Program Overview



The Master of Science in Architecture and Master of Architecture dual-degree offering prepares graduates to enter the burgeoning research-informed practice of Architecture by offering a combined degree program that interlinks education and training in both research methodologies and professional practice. This dual degree explores and defines how methods of creating new knowledge inform professional practice and how design practice uncovers and creates needs for the application of methodologies in the generation of new knowledge. Students in the dual degree complete a total of seven semesters of study. In the first two semesters of the M.Arch program, students complete rigorous foundational design studies and identify a specialized study area. This area becomes the focus of a three-semester Master of Science thesis completed under a faculty committee's guidance. The completed thesis is then applied as the generator to inform a design study that serves as the focus the final two semesters of the Master of Architecture.

The Master of Architecture portion of the study is NAAB accredited and aligns graduates with a path to professional licensure.

Admissions

December 15: Deadline for those wishing to be considered for departmental financial aid

January 15: Application deadline

The applicant must be admitted by both programs to be a participant in the two-degree program. If one is submitted and subsequently resigned from, all requirements revert to those of the remaining degree program

Apply at applicant.tamu.edu

Office of Admissions Monday - Friday | 8AM - 5PM CST (979) 845-1060 admissions@tamu.edu

Architecture

Curriculum

| MS ARCH | | |
|----------|------------------------------|----------|
| ARCH 669 | Foundations of Research | 3 hours |
| ARCH 681 | Seminar | 1 hour |
| ARCH 685 | Directed Studies | 1 hours |
| ARCH 691 | Research | 8 hours |
| ARCH 690 | Research Idealogies for ARCH | 3 hours |
| CARC 698 | Writing for Publication | 3 hours |
| | Electives | 12 hours |
| Total | | 31 hours |

Required courses are likely to change, pending MS/PhD committee revisions of the MS curriculum

| M.ARCH | | |
|----------|--------------------------------|---------|
| ARCH 605 | Studio I | 6 hours |
| ARCH 606 | Studio II | 6 hours |
| ARCH 607 | Studio III | 6 hours |
| ARCH 691 | Studio IV | 3 hours |
| ARCH 631 | Applied ARCH Structures | 3 hours |
| ARCH 633 | Applied ARCH Systems | 3 hours |
| ARCH 6xx | *History | 3 hours |
| ARCH 6xx | *Theory | 3 hours |
| ARCH 657 | Advanced Pro Practice & Ethics | 3 hours |
| ARCH 658 | Building Materials & Assembly | 3 hours |
| ARCH 685 | Directed Studies | 3 hours |
| | Electives | 3 hour |

Total

45 hours



Contact

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Master of Architecture

CAREER CHANGE PROGRAM OVERVIEW



The Career Change program enables students who hold degrees in fields other than architecture to enter the Master of Architecture program. Recipients of any bachelor's degree, other than a pre-professional degree in architecture or Environmental Design, may apply for admission to the Career Change program. This program supplements an applicant's previous education and experience with the appropriate pre-professional knowledge and training necessary for them to enter the two year Master of Architecture Program.

The basic curriculum of the Career Change program is an intensive introduction and a threesemester sequence (a summer II 5-week introduction, fall, spring and summer 10-week session) of courses in design and visual communication, construction and structural systems, environmental control systems, and architectural history. The Career Change curriculum may be adjusted to suit the needs of each student based on the background area of their undergraduate degree. Students who have completed the Career Change program with a minimum GPA of 3.0 and who have submitted a portfolio for review by the admissions committee will be considered for continuation into the 55 credithour Master of Architecture program. Some students might be required to perform additional prerequisite work before entering the professional program.

<u>Architecture</u>

CURRICULUM

| Summer (Introduction to Architecture) | | | |
|---------------------------------------|--|-------------|--|
| ARCH 600 | Special Topic-Introduction to Architecture and Urban Design | 2 hours | |
| | Toto | al 2 hours | |
| Fall | | | |
| ARCH 601 | Design Foundations I | 6 hours | |
| ARCH 610 | Visual Communications | 3 hours | |
| ARCH 612 | Structural and Environmental Technology Concepts | 3 hours | |
| ARCH 350 | History of Modern Architecture | 3 hours | |
| | Toto | al 15 hours | |
| Spring | | | |
| ARCH 602 | Design Foundations II | 6 hours | |
| ARCH 614 | Elements of Architectural Structures | 3 hours | |
| ARCH 615 | Elements of Environmental Control Systems | 3 hours | |
| ARCH 249 | Survey of Architectural History I | 3 hours | |
| | Toto | al 15 hours | |
| Summer | | | |
| ARCH 603 | Design Foundations III | 6 hours | |
| ARCH 250 | Survey of Architectural History II | 3 hours | |
| | Toto | al 9 hours | |
| | Total Coursewor | k 41 hours | |

ADMISSIONS

January 15: Application deadline

In addition to fulfilling the entrance requirements to the university, all applicants for admission into the Career Change program should submit 3 letters of recommendation, a comprehensive goals statement, and an example of creative work, which could include analog or digital drawings and artwork, photography, carpentry, crafts, musical expression, or other form of creative endeavor.

Apply at applicant.tamu.edu

Office of Admissions

Monday - Friday | 8AM - 5PM CST (979) 845-1060 <u>Admissions@tamu.edu</u>



Contact

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DOCTOR OF PHILOSOPHY IN ARCHITECTURE

Overview

The Doctor of Philosophy (PhD) in Architecture degree offers professionals and scholars who have earned a Master's degree the opportunity to conduct research toward contributing new knowledge to architecture as a professional practice, as an academic discipline, and as a form of cultural production.

The program requires a minimum of 64 hours of coursework, preliminary examination, proposal defense, and a doctoral dissertation.

Students pursuing research in the disciplines of Visualization conduct their research through the Architecture PhD program.

Purpose

Established in the late 1960s and taking its current form in 1985, the doctoral program in architecture at Texas A&M University has expanded beyond its original focus on technical research to:

- Emphasize the application of qualitative and quantitative research methodologies at the highest levels of scholarly rigor
- Focus on theoretical, critical, and practical problems and opportunities facing the discipline of architecture
- Generate an original and lasting contribution to the bodies of scholarly and practical knowledge in architecture and related sub-disciplines
- Prepare graduates to successfully share the results of their doctoral research and apply their expertise in academe, in practice, and in industry

Focus

Current dissertation topics include (but are not limited to):

- Healthcare Design
- Design Computation
- Building Information Modeling
- History and Theory
- Heritage Conservation
- Energy Efficiency
- Lighting
- Sustainability
- Digital Fabrication
- Building Construction and Processes
- Advanced Visual Communications
 - Human Computer Interaction (with Visualization Faculty Co-Chair)

<u>Architecture</u>

CURRICULUM

| Core Courses | | |
|--------------|--|---------|
| ARCH 690 | Research Ideologies for Architecture | 3 hours |
| ARCH 669 | Foundations of Research | 3 hours |
| CARC 698 | Writing for Publications | 3 hours |
| ARCH 681 | Graduate Seminar | 2 hours |
| | One graduate-level theory course with the course prefix ARCH | |
| | One graduate-level history course with the prefix ARCH | |

| Pattern Study Courses | | |
|-----------------------|---|--|
| Major Electives | Relevant to the area of research focus | |
| Minor Electives | Relevant to chosen research methodology, selected in consultation with committee chair or mentor | |

| Thesis | | |
|----------|-----------------------|---------------|
| ARCH 685 | Directed Study Hours | variable |
| ARCH 691 | Dissertation Research | to completion |

ADMISSIONS

Deadlines

- December 15: Deadline for those wishing to be considered for financial aid
- December 31: Final deadline to initiate an application via the on-line application portal.
- See Department of Architecture website for specific application requirements. <u>https://dept.arch.tamu.edu/graduate/phd/</u>
- Applications will be evaluated holistically, with exam scores, transcripts, statement of purpose, curriculum vitae, and letters of recommendation reviewed by the PhD Admissions Committee.
- Apply at <u>applicant.tamu.edu</u>

Office of Admissions

Monday - Friday | 8AM - 5PM CST (979) 845-1060 <u>Admissions@tamu.edu</u>



Contact

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About COSC

The Department of Construction Science offers the Master of Science in Construction Management (MSCM) program. The MSCM is one of only five graduate construction management programs in the nation accredited by the American Council for Construction Education. MSCM is also among the few graduate construction programs classified as a STEM program.

The MSCM has broad appeal to a wide audience of potential students. Prospective students range from those who have extensive experience in construction who are seeking an advanced course of study, to those with little experience who are seeking a path to the construction industry. Current and former students in the MSCM program include individuals from a wide variety of educational backgrounds, such as architecture, engineering, business, and many others. The MSCM degree has thesis and non-thesis options. Each option takes approximately two years to complete.

M.S. in Construction Management

MSCM - Thesis Option

The MSCM – Thesis option requires 32 credit hours for completion. It is a research-based degree program that focuses on scientific inquiry into a construction-related topic. The student works closely with a faculty research advisory committee to identify and investigate an appropriate subject. The student's work culminates with the preparation, presentation, and final defense of a thesis.

MSCM - Non-Thesis Option

The MSCM Non-Thesis Option requires 36 hours for completion. It is a course-based degree program that adds breadth and depth to the student's existing educational background. Students take a combination of required and elective courses that satisfies the requirements of fundamental construction knowledge as well as individual interests. In lieu of a thesis, each student completes a summative project during the final semester in the program. Master of Science in Construction Management | Thesis Option

| Master of Science in Construction | Management | Non-Thesis Option |
|-----------------------------------|------------|-------------------|
|-----------------------------------|------------|-------------------|

| Degree Plan Courses | Semester Credit | Degree Plan Courses | Semester Credit |
|------------------------------|-----------------|------------------------------|-----------------|
| Construction Practices | 3 hours | Construction Practices | 3 hours |
| Construction Cost Estimating | 3 hours | Construction Cost Estimating | 3 hours |
| Construction Scheduling | 3 hours | Construction Scheduling | 3 hours |
| Advanced Project Management | 3 hours | Advanced Project Management | 3 hours |
| Seminar (Required) | 2 hours | Seminar (Optional) | 1 hours |
| Research Methods | 3 hours | Professional Study | 3 hours |
| Research | 6 hours | Elective Courses | 21 hours |
| Elective Courses | 9 hours | Total Coursework | 36 hours |
| Total Coursework | 32 hours | | |

ELECTIVE COURSES

- Mechanical and Electrical
 Construction
- Structural Principles and Practices
- Construction Company Operations
- Construction Economics
- Construction Business Development
- Construction Contracts and Risk
 Management
- Advanced Productivity and Lean

- Construction Information Technology
- Advanced Construction Systems
- Advanced Construction Visualization
- Sustainable Construction
- Facilities Asset Management
- Professional Internship
- Special Topics in Construction
 Management
- Theory of Research in Construction
 Management



To apply, please visit cosc.arch.tamu.edu/graduate/admissions/



Department of Construction Science College of Architecture 3137 TAMU Francis Hall 321 College Station, Texas 77843-3137

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MASTER OF LANDSCAPE ARCHITECTURE PROGRAM OVERVIEW

The MLA program has been in existence since 1958. Since that time the program's mission has been to train "entry level" professional landscape architects. Our curriculum focuses on design, construction and planning components as well as the visual quality, research and technological aspects of the Discipline. Computer graphics, Geographic Information System, erosion control and plant material courses are also offered. In addition the program offers professional practice, history and research methods courses to round out the student's education.

The mission of the Master of Landscape Architecture program is to prepare students to become professional landscape architects in the private and/or public sector of practice. Our MLA graduates are educated in a manner so as to be competent in the spatial configuration, environmental design and land use planning strategy formulation of land use plans to solve landscape problems. Our curriculum is structured to influence our teaching and professional instruction to foster students' critical analysis and critical thinking.

We strive to build a knowledge base of how humans investigate, interact with and benefit from connections with the natural and built environment. We encourage our students to be lifelong learners and leaders in their field.

Admissions Deadlines

December 1: Application deadline for financial aid

March 15: Deadline for all applications

CURRICULUM

| Leveling Year (Three-Year Program) | | | | |
|------------------------------------|---|-------|----------|--|
| LAND 601 | Design Theory | | 5 hours | |
| LAND 612 | Site Development | | 4 hours | |
| LAND 645 | Practice Diversity | | 3 hours | |
| LAND 655 | Landscape Architectural Communications | | 3 hours | |
| LAND 602 | Design Application | | 5 hours | |
| LAND 614 | Site Construction | | 3 hours | |
| | Elective (degree related) | | 3 hours | |
| | | Total | 26 hours | |

| Advanced Year (All MLA Students) | | | |
|----------------------------------|--|-------|----------|
| LAND 620 | Open Space Development 1 | | 5 hours |
| HORT 608 | Plants for Landscape Design | | 4 hours |
| ESSM 600 | Ecology and Land Uses | | 3 hours |
| LAND 621 | Open Space Development II | | 5 hours |
| LAND 681 | Seminar | | 1 hour |
| LAND 640 | Research Methods | | 3 hours |
| LAND 630 | Development of Landscape Architecture | | 3 hours |
| | | Total | 24 hours |

| Summer | | | |
|----------|-------------------|-------|-----------|
| LAND 684 | Internship | | 0-1 hours |
| | | Total | 0-1 hours |
| | II MI A Studente) | | |

| Final Year (All M | LA Students) | | |
|-------------------|-----------------------|-------|----------|
| LAND 693 | Professional Study | | 3 hours |
| | Elective | | 3 hours |
| | Elective | | 3 hours |
| LAND 646 | Professional Practice | | 3 hours |
| LAND 693 | Professional Study | | 4 hours |
| | Elective | | 3 hours |
| | | Total | 19 hours |



To apply, please visit tx.ag/MLAadmissions

Contact

Bruce Dvorak

Associate Professor Master of Landscape Architecture Program Department of Landscape Architecture College of Architecture Texas A&M University College Station, TX 77843-3137 bdvorak@tamu.edu







MASTER OF LAND & PROPERTY DEVELOPMENT

PROGRAM OVERVIEW



Where Design Meets Business.

The Master of Land and Property Development (MLPD) is an entrepreneurship-oriented program of study which combines business and finance with physical planning, design and construction. The program provides students the full range of real estate, financial and management skills they need to succeed in the highly competitive real estate development industry.

One of only a handful of Land and Real Estate Development programs in the United States, the program attracts students from practically every academic discipline. The MLPD utilizes a current and comprehensive curriculum, provided by experienced practitioners, to teach how ecologically sensible, socially acceptable, and financially feasible development ventures are created.

The MLPD program dissolves the boundaries between planning, construction and environmental issues and between finance, accounting and market issues. Through rigorous training in site analysis, entitlements, project management, and market and financial analysis, graduates become uniquely prepared for the real world.

Admissions Deadlines

December 1: Fall priority deadline for scholarship consideration

October 1: Priority deadline for spring enrollment

January 1: Deadline for international and all students who seek financial assistance and fellowships to submit all application materials for fall entry

CURRICULUM

| First Year (Fall) | | |
|-------------------|------------------------------------|---------|
| FINC 664 | Market Analysis for Development | 3 hours |
| LDEV 667 | Design and Development Economy | 3 hours |
| LDEV 687 | Development Feasibility & Design 1 | 3 hours |
| LDEV 669 | Income Property Development | 3 hours |

| Second Year (Fall) | | | |
|--------------------|--|----------|--|
| LDEV 663 | Introduction to Project Management | 3 hours | |
| FINC 670 | Real Property Analysis | 3 hours | |
| LDEV 688 | Development Feasibility & Design II (Capstone | 3 hours | |
| LDEV 685 | EV 685 Directed Studies (Online Portfolio) | | |
| | Total | 36 hours | |

Leveling course - not included in 36 total credit hour program requirement

| First Year (Sprin | First Year (Spring) | | |
|-------------------|--|---------|--|
| LDEV 661 | Site Development | 3 hours | |
| LDEV 668 | SFR Land Development | 3 hours | |
| LDEV 689 | Fundamentals of Entrepreneurial Real Estate | 3 hours | |
| FINC 676 | Commercial Real Estate Law | 3 hours | |

| Summer | | |
|----------|-------------------------|--------|
| LDEV 684 | Professional Internship | 1 hour |



To apply, please visit tx.ag/MLPDadmissions

Contact

Tim Early

Associate Professor of Practice Master of Land & Property Development Coordinator Department of Landscape Architecture & Urban Planning College of Architecture Texas A&M University College Station, TX 77843-3137 time86@arch.tamu.edu (713) 822-1014







MASTER OF URBAN PLANNING PROGRAM OVERVIEW

The Master of Urban Planning (MUP) Program at Texas A&M University has been training leaders in urban planning since 1965. This nationally top-ranked urban planning program has a tradition of equipping every student with a firm foundation of planning knowledge and competencies from technical, political, economic, and legal perspectives. Graduates from this program will become lifelong learners and forward-thinking visionaries who are capable of working with diverse stakeholders, performing sophisticated analysis, and making planning decisions under complex situations.

Faculty members of the MUP program are nationally and internationally recognized scholars who advance the urban planning field with impactful research. Every year, they contribute millions of dollars of funding to support students through a variety of research centers, laboratories, and institutes at the university. For example, Texas A&M Transportation Institute, the largest university-based transportation research institute in the world, provides MUP students with numerous employment opportunities.

The program is located in the center of the Texas Urban Triangle, a mega-

region encompassing Houston, Dallas-Fort Worth, Austin, and San Antonio. This is one of the fastest growing regions in the nation, offering a unique living laboratory to generate innovative planning solutions that can be translated globally.

Admissions Deadlines

January 1: Application deadline for financial aid

April 15: Deadline for all applications

CURRICULUM

| First Year (Fall) | | |
|-------------------|--|---------|
| PLAN 604 | Methods 1 | 3 hours |
| PLAN 610 | Urban Structure | 3 hours |
| PLAN 664 | History & Theory | 3 hours |
| | Spatial Analysis/Communicative Elective | 3 hours |

| First Year (Spring) | | | |
|---------------------|--|---------|--|
| PLAN 613 | Methods II | 3 hours | |
| PLAN 640 | Planning Law | 3 hours | |
| | Spatial Analysis/Communicative Elective | 3 hours | |
| | Elective (degree related) | 3 hours | |

| Summer | | |
|----------|------------|--------|
| PLAN 684 | Internship | 1 hour |

| Second Year (Fall) | | | |
|--------------------|---------------------------|---------|--|
| PLAN 662 | Applied Planning | 3 hours | |
| PLAN 665 | Plan Making | 3 hours | |
| | Elective (degree related) | 3 hours | |
| | Elective (degree related) | 3 hours | |

Second Year (Spring) PLAN 658 Plan Implementation 3 hours PLAN 693 Professional Paper on Specialized Topic 2 hours Elective (degree related) 3 hours Elective (degree related) 3 hours

CORE COURSES

- PLAN 604 Planning Methods 1: Demography and Economic Analysis
- PLAN 610 Structure and Function of Urban Settlements
- PLAN 613 Planning Methods II: Land Use, Transportation and Infrastructure
- PLAN 625 GIS for Landscape Architecture and Urban Planning
- PLAN 689 Legal Basis for Planning
- PLAN 662 Applied Planning Studio
- PLAN 658 Plan Implementation
- PLAN 664 Foundations of Planning (History and Theory)
- PLAN 665 Participatory Planmaking
- PLAN 689 Site Planning



Contact

Dr. Wei Li

Associate Professor Master of Landscape Architecture Program Department of Landscape Architecture and Urban Planning College of Architecture Texas A&M University College Station, TX 77843-3137 wli@tamu.edu



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VISUALIZATION

Master of Fine Arts and Master of Science



ABOUT VIZ

The Department of Visualization's graduate programs offer a unique combination of practical, hands-on skills and the critical skills required for success in tomorrow's careers. Our graduate programs provide an environment which affords the synergistic development of aesthetic and technical competence.

Visualization offers two Masters in Visualization Degrees: Master of Science in Visualization (Thesis and Non-Thesis Options).

Master of Fine Art in Visualization

Each of the programs focuses on developing expertise in both art and science, producing graduates who achieve success in a wide range of visualization-related fields.

TOPIC AREAS

- **Visual arts:** Drawing, digital and traditional painting, animation, photography, sculpture, printmaking, video, UI/UX and design communication
- **Computation:** Shape modeling, non-photo-realistic rendering, geometric data structures, physically based simulation, computer games and education, software for animation, digital character kinematics, immersive visualization and augmented reality and virtual reality.

THE VIZ LAB

- Workstations with production level software such as Maya, Houdini, Nuke, Renderman, Mari, Zbrush, and more
- Sound stages totaling over 2,000 square feet with complete lighting, green screen, and cyclorama systems
- 4k video production and editing systems Wet darkrooms
- Immersive/augmented/virtual reality studios
- Traditional and digital teaching studios and classrooms in gaming, animation/ effects, graphics/design, painting/ drawing, and user experience
- On and off-campus space

The Department of Visualization's satellite facility is located in Historic Downtown Bryan. Our gallery is dedicated to graduate Visualization students seeking hands-on exhibition experience.

CURRICULUM (DEGREE REQUIREMENTS)

Master of Science in Visualization Thesis Option

| Category | Semester Credit Hours |
|-----------------------|--------------------------|
| Required Course | 4 hours |
| Selected Core Courses | 12 hours |
| Free Electives | 8 hours |
| Research Hours | 8 hours |
| Total Coursework | 32 hours |

Master of Fine Arts in Visualization

| Category | Semester Credit Semester Credit Hours |
|----------------------------------|---|
| Required Course | 12 hours |
| Selected Core Courses | 17 hours |
| Free Electives | 11 hours |
| Research Study (Research Studio) | 20 hours |
| Total Coursework | 60 hours |

Master of Science in Visualization Non-Thesis Option

| Category | Semester Credit Semester Credit Hours |
|-----------------------|---|
| Required Course | 4 hours |
| Selected Core Courses | 12 hours |
| Free Electives | 19 hours |
| Total Coursework | 36 hours |







Department of Visualization 3137 TAMU College Station, TX 77843

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arch.tamu.edu –