The College of Architecture, Construction and Planning offers the following graduate degrees and certificates:

- Master of Science in Urban and Regional Planning (p. 1)
- Graduate Certificate in Facility Management (p. 2)
- Graduate Certificate in Urban and Regional Planning (p. 2)

Department of Architecture (http://catalog.utsa.edu/graduate/architecture/architecture)
- Master of Architecture - The Professional Program (http://catalog.utsa.edu/graduate/architecture/architecture/#degreestext)
- Master of Science in Architecture - The Research Program (http://catalog.utsa.edu/graduate/architecture/architecture/#degreestext)
- Graduate Certificate in High-Performance Design and Sustainability (http://catalog.utsa.edu/graduate/architecture/architecture/#certificatestext)
- Graduate Certificate in Historic Preservation (http://catalog.utsa.edu/graduate/architecture/architecture/#certificatestext)

Department of Construction Science (http://catalog.utsa.edu/graduate/architecture/constructionscience)

Master of Science Degree in Urban and Regional Planning
The Master of Science degree in Urban and Regional Planning is designed to prepare students for leadership roles and careers in the public and private sectors for the purpose of planning and designing communities and regions. The degree is in collaboration with the Department of Public Administration in the College of Public Policy. The program has a strong focus on land use planning, design, policy, and economic, environmental, and cultural issues that shape urban and regional land development patterns in terms of infrastructure, housing, and open space systems. Emphasis is placed on developing research capabilities and graphic skills needed in planning and design. The program's primary focus is to prepare students to become practitioners in the planning profession.

Admission Requirements
Applicants must satisfy University-wide graduate admission requirements.

A complete application package consists of the following:

- Completed Application form
- Official transcripts from all universities attended
- Graduate Record Examination (GRE) scores
- Two Letters of Recommendation addressing the applicant's academic and/or professional skills
- Letter of Intent, outlining the applicant's reasons for pursuing the Master of Science degree in Urban and Regional Planning and career plans

- Test of English as a Foreign Language (TOEFL) scores for international applicants whose first language is not English

Applicants may be admitted as unconditional or conditional, degree-seeking graduate students, or as special graduate students. Admission as a special graduate (non-degree-seeking) student does not guarantee subsequent admission as a degree-seeking student; such students must reapply for degree-seeking status.

An application fee and all application materials must be sent directly to the UTSA Graduate School at One UTSA Circle, San Antonio, TX 78249. Please consult the College of Architecture, Construction and Planning website (http://cacp.utsa.edu/academic-programs/urban-and-regional-planning) for applicable dates when the review of applications will begin and for more information about the College and its programs.

Degree Requirements
The minimum number of semester credit hours required for the Master of Science degree in Urban and Regional Planning, exclusive of coursework or other study required to remove deficiencies is 48. Students may pursue a thesis or non-thesis option.

Degree candidates must complete 48 semester credit hours of coursework consisting of the following requirements:

A. 27 semester credit hours of the following required courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>URP 5323</td>
<td>Community and Regional Planning</td>
</tr>
<tr>
<td>URP 5333</td>
<td>Introduction to Urban and Regional Planning</td>
</tr>
<tr>
<td>URP 5343</td>
<td>History and Theory of Urban and Regional Planning</td>
</tr>
<tr>
<td>URP 5363</td>
<td>Urban Planning Methods I</td>
</tr>
<tr>
<td>URP 5393</td>
<td>Urban Planning Methods II</td>
</tr>
<tr>
<td>URP 5413</td>
<td>Planning Practice and Ethics</td>
</tr>
<tr>
<td>URP 5453</td>
<td>Urban and Regional Sustainability</td>
</tr>
</tbody>
</table>

B. 6 semester credit hours of public administration courses in the College of Public Policy:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 5103</td>
<td>Planning and Land Use Law</td>
</tr>
<tr>
<td>PAD 5513</td>
<td>Urban and Regional Economic Development</td>
</tr>
</tbody>
</table>

Please note, the course description for URP 5413 is incorrect, URP 5413 and PAD 5103 CAN and must both be used toward the Master of Science in Urban and Regional Planning Degree, as these are required courses, unless otherwise approved in consultation with the Urban and Regional Planning Graduate Advisor of Record.

B. 15 semester credit hours of electives, chosen in consultation with and approved by the Urban and Regional Planning Graduate Advisor of Record to meet degree candidates’ individual needs. Students can select an area of specialization or take courses from a variety of areas that pertain to urban and regional planning. Electives may also be taken in other graduate programs with approval of the Graduate Advisor. The specialization areas include: historic preservation, housing and sustainable community development, environmental, transportation, and infrastructure planning, and urban policy and management.

To satisfy the major area coursework for the historic preservation specialization, a student must complete 9 semester credit hours of specialized electives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 5203</td>
<td>History and Theory of Preservation</td>
</tr>
<tr>
<td>ARC 5423</td>
<td>Legal and Economic Aspects of Preservation</td>
</tr>
</tbody>
</table>
College of Architecture, Construction and Planning

Graduate Certificate in Facility Management

The graduate certificate in Facility Management is a 100% online, 15-semester-credit-hour certificate program, designed to educate and equip graduate-level facility management students with advanced facilities management knowledge and skills to enhance their performance, capabilities, and increase their professional qualifications. Students who complete the Facility Management graduate certificate will be prepared to make an immediate positive impact that supports and advances the profession.

Admission Requirements

Applicants for this program must have a bachelor’s or master’s degree in engineering, architecture, sciences, business, or other facility management related field or discipline. Practicing facility managers with at least two years of experience in facility management and a bachelor’s degree in other fields will also be admitted to the program, with approval of the program coordinator.

Applicants will apply for admission to the certificate as a special (non-degree-seeking) graduate student according to UTSA’s admission requirements for certificate programs (see Certificate Program Regulations in this catalog).

Certificate Program Requirements

To satisfy the requirements for the Graduate Certificate in Facility Management, students must complete 15 semester credit hours as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM 5003</td>
<td>Facilities Management Professional Trends</td>
</tr>
<tr>
<td>FM 5113</td>
<td>Operations and Maintenance: Management of Built Assets</td>
</tr>
<tr>
<td>FM 5213</td>
<td>Project Management: Planning and Execution of Projects</td>
</tr>
<tr>
<td>FM 5413</td>
<td>Leadership and Strategy: Facilities Management Leadership</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

To maintain enrollment in the certificate program, students should maintain a 3.0 grade point average throughout tenure in the program.

Facility and Property Management (FM) Courses

FM 5003. Facilities Management Professional Trends. (3-0) 3 Credit Hours.

Course includes an in-depth analysis of the most common practices of Facility and Property Managers, including sustainability issues, environmental factors, buildings safety, leasing activities, building technologies, continuous quality improvement, and FM and real estate trends and practices.

FM 5113. Operations and Maintenance: Management of Built Assets. (3-0) 3 Credit Hours.

Course provides in-depth discussion of Facility and Property Management Operations and Maintenance, including building systems, and approaches to operating and maintaining facilities, the effective development and management of facilities predictive, preventive, and corrective maintenance programs, and other aspects of FM maintenance and operations.
FM 5213. Project Management: Planning and Execution of Projects. (3-0) 3 Credit Hours.
Course provides in-depth discussion of facilities project management from initial project planning, estimating and scope definition, through design & construction to project close out. Course includes project manager roles & responsibilities, project processes & life cycles, programming, scope, design deliverables, project plans, critical path method project scheduling & control, and project oversight from start to finish.

FM 5313. Finance and Business: Financial Aspects of Facilities. (3-0) 3 Credit Hours.
Course includes analysis, budgeting, accounting, risk management & reporting to demonstrate applications of facility financial management to prepare students to analyze & interpret financial statements to make FM decisions, and understand & apply accounting and finance principles to facility management business operations, and manage facilities financial and other high value assets to effectively deliver facility services.

FM 5413. Leadership and Strategy: Facilities Management Leadership. (3-0) 3 Credit Hours.
Course provides fundamental FM leadership concepts and practices from strategic facility planning, development and execution of facility services, effective leadership of the facility organization, appropriate methods of measuring and evaluating facility performance, identification of root causes of negative performance and ways to continuously improve performance with a focus on performance excellence.

Graduate Certificate in Urban and Regional Planning

The purpose of the professional certificate in Urban and Regional Planning is to provide students with an introductory understanding of the historical, social, international, and physical context of comprehensive land use planning and sustainable urbanism.

The Certificate in Urban and Regional Planning is a 15-semester-credit-hour program. Degree-seeking or special graduate students from any discipline at UTSA are allowed to complete the Certificate in Urban and Regional Planning (URP) program. Students will be advised by the URP Certificate Program Coordinator/Advisor. Interested individuals should contact the Urban and Regional Planning Certificate Program Coordinator within the College of Architecture, Construction and Planning.

Admission Requirements

New and existing graduate students in “good standing” shall declare the intent to seek the Certificate by requesting permission to enter and complete the program. Students not currently enrolled in a graduate program may apply according to UTSA admission requirements for certificate programs (see Certificate Program Regulations in this catalog). The Certificate Program Coordinator may determine that a student requires prerequisite background courses to adequately prepare for the courses of the Graduate Certificate Program.

Certificate Program Requirements

The Urban and Regional Planning Certificate curriculum consists of 9 semester credit hours of required planning courses and 6 elective hours. Courses taken for the Graduate Certificate in Urban and Regional Planning can be applied toward the Master of Science in Urban and Regional Planning, Master of Architecture, and Master of Science in Architecture degrees. Students will be advised by the Urban and Regional Planning Certificate Program Coordinator/Advisor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>URP 5213</td>
<td>Social Justice in the City.</td>
<td>(3-0) 3</td>
</tr>
<tr>
<td>URP 5223</td>
<td>Community Development Finance.</td>
<td>(3-0) 3</td>
</tr>
<tr>
<td>URP 5233</td>
<td>GIS for Urban Studies.</td>
<td>(3-0) 3</td>
</tr>
<tr>
<td>URP 5313</td>
<td>Urban Housing Policy and Analysis.</td>
<td>(3-0) 3</td>
</tr>
<tr>
<td>URP 5323</td>
<td>Community and Regional Planning</td>
<td>(3-0) 3</td>
</tr>
<tr>
<td>URP 5333</td>
<td>Introduction to Urban and Regional Planning</td>
<td>(3-0) 3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

Urban and Regional Planning (URP) Courses

URP 5213. Social Justice in the City. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. Examines spatial inequality particularly in distressed communities. Emphasis is placed on residential segregation, the deconcentration of poverty, and policies and programs that perpetuate spatial inequalities and promote the geographies of opportunity. Course Fees: SAP1 $25; STSA $15.

URP 5223. Community Development Finance. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. Provides a general understanding of economic development and real estate finance. Students learn about a developer’s pro forma income and expense statement, calculating debt service and the return on investment, discounted cash flow analysis, underwriting practices, deal structuring, and financing project gaps. Programs such as CDBG, new market tax credits, the low-income housing tax credit program, and historic rehabilitation tax credits are introduced. Real world case studies are explored throughout the course to understand how federal, state, and local government funding sources can be used with private sector resources to finance community-based projects. Course Fees: SAP1 $25; STSA $15.

URP 5233. GIS for Urban Studies. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. Provides a basic understanding of spatial analysis using geographic information systems. Emphasis is placed on analyzing urban issues with GIS tools. Topics include mapping density and change, measuring geographic distributions, and analyzing patterns and clusters. Course Fees: SAP1 $25; STSA $15.

URP 5313. Urban Housing Policy and Analysis. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. An examination of the evolution of housing and neighborhood design and planning with emphasis on sustainable planning and design methods, and solutions. (Formerly ARC 5313. Credit cannot be earned for both URP 5313 and ARC 5313. Formerly titled “Housing Design and Neighborhood Planning.”) Course Fees: SAP1 $25; STSA $15.

URP 5323. Community and Regional Planning. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. A study of sustainable design, planning, economic, financial, and environmental issues that shape multicultural communities, regions and borders. (Formerly ARC 5323 and ARC 6233. Credit cannot be earned for more than one of the following: URP 5323, ARC 5323 or ARC 6233. Formerly titled "Community Planning and Design.") Course Fees: SAP1 $25; STSA $15.

URP 5333. Introduction to Urban and Regional Planning. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. An introduction to planning for human needs as related to the physical layout and spatial design of communities and regions. (Formerly ARC 5333. Credit cannot be earned for both URP 5333 and ARC 5333.) Course Fees: SAP1 $25; STSA $15.
URP 5343. History and Theory of Urban and Regional Planning. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. A survey of the history and theories of urban and regional planning. Includes consideration of the values and ethics of the planning profession and methods of participation. (Formerly ARC 5343. Credit cannot be earned for both URP 5343 and ARC 5343.) Course Fees: SAP1 $25; STSA $15.

URP 5353. Structure and Function of Cities and Regions. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. A study of the social, political, economic, and changing physical design, form, and infrastructure of cities and regions. (Formerly ARC 5533. Credit cannot be earned for both URP 5353 and ARC 5353.) Course Fees: SAP1 $25; STSA $15.

URP 5363. Urban Planning Methods I. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. Introduction to research tools and methods used in planning. Topics include: demographic and employment analysis and forecasting, visualization, database graphics, and GIS for applications in urban and regional planning. (Formerly ARC 5363. Credit cannot be earned for both URP 5363 and ARC 5363. Formerly titled "Intermediate Urban Planning Methods.") Course Fees: SAP1 $25; STSA $15.

URP 5373. Planning and Design of Suburbs. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. A survey of the historical evolution and relationship between suburbs and central cities, contemporary trends in suburban planning, and sustainable development options. (Formerly ARC 5373. Credit cannot be earned for both URP 5373 and ARC 5373.) Course Fees: SAP1 $25; STSA $15.

URP 5383. Planning and Housing for Rural Communities. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. A survey of the comprehensive planning of small towns and housing in rural areas. Includes consideration of growth management techniques. (Formerly ARC 5383. Credit cannot be earned for both URP 5383 and ARC 5383.) Course Fees: SAP1 $25; STSA $15.

URP 5393. Urban Planning Methods II. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. Advanced use of geographic information systems (GIS) and other planning modeling systems to analyze real-world problems or issues requiring spatial data analysis and modeling. (Formerly titled "Advanced Urban Planning Methods.") Course Fees: SAP1 $25; STSA $15.

URP 5403. Planning Practice and Ethics. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. This course covers the fundamentals of the administrative and legal aspects of regulating land use at various levels of government. Participants will gain an understanding of the changing legal framework of regulations, such as zoning, urban renewal, eminent domain, inverse condemnation, landmark preservation, growth management, and environmental laws. The course describes the institutions that undertake planning and the roles and practices planners employ in them. Key ethical and moral considerations that planners face in applying these laws and practicing community and environmental planning are also addressed. (Same as PAD 5103. Credit cannot be earned for both URP 5413 and PAD 5103.) Course Fees: SAP1 $25; STSA $15.

URP 5413. Planning Practice and Ethics. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. This course covers the fundamentals of the administrative and legal aspects of regulating land use at various levels of government. Participants will gain an understanding of the changing legal framework of regulations, such as zoning, urban renewal, eminent domain, inverse condemnation, landmark preservation, growth management, and environmental laws. The course describes the institutions that undertake planning and the roles and practices planners employ in them. Key ethical and moral considerations that planners face in applying these laws and practicing community and environmental planning are also addressed. (Same as PAD 5103. Credit cannot be earned for both URP 5413 and PAD 5103.) Course Fees: SAP1 $25; STSA $15.

URP 5423. Graphic Communication for Planners. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. This course is designed for graduate students in urban planning who are interested in graphic communications. The course goal is to obtain skills in graphic production that enable planners to communicate their ideas and plans to the public. Course Fees: SAP1 $25; STSA $15.

URP 5433. Transportation Planning. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. Seminar on urban transportation systems and policies, trends, economics, and land use and transportation interactions and evaluation techniques. Course Fees: SAP1 $25; STSA $15.

URP 5443. Community Development. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. An introduction to contemporary trends in urban development and redevelopment, focusing on planning and development techniques used to develop or revitalize urban and regional areas. Course Fees: SAP1 $25; STSA $15.

URP 5453. Urban and Regional Sustainability. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. Seminar on the main challenges involved in the global planning and developing of sustainable cities and regions. Issues covered include land use, transportation, housing and infrastructure, economic and social equity. Course Fees: SAP1 $25; STSA $15.

URP 5463. Environmental Planning and Assessment. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. Analysis of environmental issues and planning problems that impact metropolitan areas; air and water quality, solid waste, habitat conservation; and techniques for planning assessment and remediation. Course Fees: SAP1 $25; STSA $15.

URP 5473. Introduction to Health Planning. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. This course provides a comprehensive introduction to fundamental concepts, principles, and methods of health planning aimed at the provision of health services, health-supportive facilities and the design of healthy communities. Course Fees: SAP1 $25; STSA $15.

URP 5483. Planning Workshop. (2-2) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. A seminar/workshop involving an application of theory and practice relating to an urban or regional scale project. May be repeated for credit. Course Fees: SAP1 $25; STSA $15.

URP 5493. Planning and Economic Development. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. An introduction to economic development as a critical element of neighborhood, community, regional, and national planning. The course addresses current economic development practices and theory. Course Fees: SAP1 $25; STSA $15.

URP 6933. Planning Professional Report. (3-0) 3 Credit Hours.
Prerequisites: URP 6943 and approval of the urban and regional planning Graduate Advisor of Record. The directed planning research course is offered only for nonthesis option students who have completed URP 6943 Professional Internship. May be repeated for credit, but not more than 6 hours may be applied to the Master's degree. Course Fees: SAP1 $25; STSA $15.
URP 6943. Professional Internship. (0-0) 3 Credit Hours.
Prerequisites: Graduate standing, 18 semester credit hours of graduate work, and consent of instructor. Supervised professional practice experience with public agencies or private firms. Individual conferences and written reports required. May be repeated for credit, but not more than 6 hours will apply to the Master of Science degree in Urban and Regional Planning. Course Fees: SAP1 $25; STSA $15.

URP 6951. Independent Study. (0-0) 1 Credit Hour.
Prerequisites: Graduate standing and permission in writing (form available) of the instructor and the Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member, for students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the Master of Science degree in Urban and Regional Planning. Course Fees: SAP1 $25; STSA $5.

URP 6952. Independent Study. (0-0) 2 Credit Hours.
Prerequisites: Graduate standing and permission in writing (form available) of the instructor and the Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member, for students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the Master of Science degree in Urban and Regional Planning. Course Fees: SAP1 $25; STSA $10.

URP 6953. Independent Study. (0-0) 3 Credit Hours.
Prerequisites: Graduate standing and permission in writing (form available) of the instructor and the Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member, for students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the Master of Science degree in Urban and Regional Planning. Course Fees: SAP1 $25; STSA $15.

URP 6961. Comprehensive Examination. (0-0) 1 Credit Hour.
Prerequisites: Graduate standing and permission of the urban and regional planning Graduate Advisor of Record. Independent study course for the purpose of taking the Comprehensive Examination. The grade report for the course is either "CR" (satisfactory performance on the Comprehensive Examination) or "NC" (unsatisfactory performance on the Comprehensive Examination). Credit earned in URP 6961 may not be counted toward the Master of Science degree. May be repeated once. Course Fees: SAP1 $25; STSA $5.

URP 6973. Special Topics. (3-0) 3 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. An organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Topic courses may be repeated for credit when topics vary, but not more than 6 semester credit hours of URP 6973 or 12 hours of URP 6976 will apply to the Master of Science degree in Urban and Regional Planning. Course Fees: SAP1 $25; STSA $15.

URP 6976. Special Topics. (6-0) 6 Credit Hours.
Prerequisite: Graduate standing or consent of instructor. An organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Topic courses may be repeated for credit when topics vary, but not more than 6 semester credit hours of URP 6973 or 12 hours of URP 6976 will apply to the Master of Science degree in Urban and Regional Planning. Course Fees: SAP1 $25; STSA $30.

URP 6981. Master’s Thesis. (0-0) 1 Credit Hour.
Prerequisites: Graduate standing and permission of the urban and regional planning Graduate Advisor of Record. May be repeated for credit, but not more than 6 hours will apply to the Master of Science degree in Urban and Regional Planning. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress. Course Fees: SAP1 $25; STSA $5.

URP 6983. Master’s Thesis. (0-0) 3 Credit Hours.
Prerequisites: Graduate standing and permission of the urban and regional planning Graduate Advisor of Record. May be repeated for credit, but not more than 6 hours will apply to the Master of Science degree in Urban and Regional Planning. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress. Course Fees: SAP1 $25; STSA $15.