

**MASTER IN URBAN PLANNING DEGREE REQUIREMENTS 2022-2023
HARVARD GRADUATE SCHOOL OF DESIGN**

I. OVERVIEW

Urban planners play a central role in fostering a productive, sustainable, and equitable built environment. Encompassing private and public buildings, physical infrastructure, and public spaces, the built environment deeply affects the quality of human experience.

Harvard's accredited two-year Master in Urban Planning, a first professional degree program, prepares students to imagine, examine, and implement productive, sustainable, and equitable built environments. Four key areas of concern animate the learning environment: how planning can manage change in complex environments; dealing with multiple scales and systems; engaging ethically with problems now and in the future; and planning as an active practice where implementation matters. Students learn to understand, analyze, and influence the range of forces—social, economic, environmental, political, cultural, legal, aesthetic, and many others—shaping the built environment. They study the histories and theories of urban planning and urbanism as profession and phenomenon. They develop relevant qualitative, quantitative, and representational skills. They learn to implement through engaging with laws, institutions, and political and economic contexts. A variety of concentrations allow students to specialize.

- *Core* studio and required lecture courses, along with *methods requirement* courses, provide students with base knowledge and technical skills used by urban planners to generate, evaluate, and implement ideas, plans, and projects.
- *Areas of concentration* are explored through elective courses within several pre-approved topical areas or within an individually crafted area of concentration proposed by a student in consultation with a faculty member.
- Intensive, *project-based learning* experiences engage students in real-world problem-solving and deep exploration of areas of inquiry. Students select one or more of the following:
 - *Option Studios* present domestic and international projects that allow students, individually or as members of collaborative teams, to think creatively and apply interdisciplinary problem-solving methods to planning questions.
 - Writing a *thesis* in the fourth and final term is for students seeking a deeper engagement with research on a specific topic.
 - *Project-based courses (PBC)* offer students the chance to explore studio-type problems in less intensive seminar courses, within a broad range of areas of focus.
- *Elective courses* at the GSD and elsewhere provide a wide range of relevant knowledge and skills for students to sample and master.

At the beginning of each academic year, the program assigns a faculty advisor to each student to assist in thinking through curricular choices. However, students may sign up for the office hours of any faculty member for advice about topics and issues relevant to planning and their own careers. For very specific queries about requirements students should also consult with the Program Coordinator or Program Director. Concurrent and joint degree program students must

consult special rules posted online for information on residency, curriculum, and other program requirements.

II. CURRICULUM

A student will be approved by the faculty for the MUP degree upon satisfactory completion of 80-units of courses. Students typically take 20-units per term, and four terms of full-time residence are normally required. Lecture and seminar courses are usually 4-units, studios are usually 8-units, and modules are usually 2-units. Thus, a typical term load may be one studio and three lecture or seminar courses or five regular courses. Note that the GSD has school-wide rules for what constitutes full-time residence, how many courses during each term must be taken at the GSD rather than at other schools through cross-registration, what is satisfactory completion of course load, and similar general issues. These policies are posted online at <http://www.gsd.harvard.edu/resources/cross-registration-policies-procedures>. Under special circumstances, students may receive permission to reduce their course loads and extend their studies over a period longer than four terms.

Students are required to take 28-units for the core studios and course requirements, 12-units for the methods requirements (analytic methods, economic methods, and legal and institutional methods), 12-units for the area of concentration requirement, and 8-units of project-based coursework (a studio, an independent thesis, or two 4-unit pre-approved project-based courses). The rest of the 80-units may be satisfied through elective courses, including additional studio or project-based options.

The curriculum for the MUP degree may be understood as having six components:

1. Core Studios (16-units)

Students must take the following studios during their first year in residence:

- GSD 1121: First Term Core Urban Planning Studio (8-units)
- GSD 1122: Second Term Core Urban Planning Studio (8-units)

2. Course Requirements (12-units)

Students must take the following course requirements unless they are able to demonstrate sufficient experience to waive the requirement (see below for more information):

- GSD 2127: Representation for Planners (2-units)
- GSD 2128: Spatial Analysis (2-units)
- GSD 4152: Urban Planning Theory and Praxis: Comparative-Historical Origins and Applications
- GSD 5103: Public and Private Development (4-units)

3. Methods Requirements (12-units)

Students must take 4-units of courses within *each* of the three methods requirements for a total of 12-units unless they are able to demonstrate sufficient experience to waive the requirement or pass an exemption exam in the case of the quantitative methods requirement (see below for more information):

- Analytic methods requirement (2-units each of Quantitative and Qualitative):
 - GSD 5215: Analytic Methods of Urban Planning: Quantitative (2-units) **recommended!**
 - GSD 5216: Analytic Methods of Urban Planning: Qualitative (2-units) **recommended!**
 - Pre-approved alternate **quantitative** courses involve more units but include:
 - FAS STAT 109A (COMPSCI 109A): Data Science 1: Introduction to Data Science (4-units)
 - GSAS 3808: Introduction to Quantitative Methods for the Social Sciences and Humanities (4-units)
 - HKS API-201 and API-202 (2-course sequence): Quantitative Analysis and Empirical Methods/Empirical Methods I (8-units)
 - HKS API-201 Section Z (all other sections require 202 in addition) (4-units)
 - HKS API-205: Politics and Policies: What Can Statistics Tell Us? (4-units)
 - HKS API-209: Advanced Quantitative Methods I (4-units; **approved for MPA-ID dual students only**)
 - HKS API-222: Machine Learning and Big Data Analytics (4-units)
 - HSPH ID 201: Core Principles of Biostatistics and Epidemiology for Public Health Practice (4-units)
 - HSPH BST 201: Introduction to Statistical Methods (8-units)
 - HSPH BST 210: Applied Regression Analysis (4-units)
 - Pre-approved alternate **qualitative** courses include:
 - HGSE S504: Introduction to Qualitative Research (**requires the permission of the instructor in advance and is research-oriented**) (4-units)
 - HGSE S513: Introduction to Qualitative Program and Policy Evaluation (4-units)
 - HKS API-206: Fundamentals of Program and Policy Evaluation (**has prerequisites or requires the permission of the instructor**) (4-units, not offered every year)
 - GOV 2014 Research Design in Political Science: Qualitative and Mixed Methods (4 units).
 - HSPH 101 MPH Qualitative Methods for Public Health (4 units, **not available for cross-registration**)
 - HSPH HPM 559 Introduction to Qualitative Research Methods for Public Health (4 units, **priority to HSPH students**)
 - HSPH SBS 288: Qualitative Research Methods in Public Health (2-units)
 - HSPH GHP 504: Introduction to Qualitative Research for Global Health (2-units, **priority to HSPH students**)
 - Alternate courses as approved by the program director and instructor of the relevant required course.
- Economic methods requirement (4-units).

Students may choose one of the below courses to fulfill the economic methods degree requirement or petition the Program Director to waive the requirement with evidence of prior course work that covers state and local public finance, micro-economic approaches to market failures, and/or urban economics.

- GSD SES 5437: Transportation Finance and Economics (4-units)
 - GSD SES 5495: Urban Economics for Planners and Policy Makers (4-units)
 - GSD SES 5440: Public Finance for Planners (4-units)
 - HKS API 101: Markets and Market Failures (4-units, **required for dual degree MUP/MPP's, but otherwise closed to cross-registration**)
 - HKS API 102: Economic Analysis of Public Policy (4-units, prerequisite: API 101 or equivalent, several sections with different emphases, **for HKS majors**)
 - HKS API 105: Markets and Market Failures with Cases (4-units, not offered every year)
 - HKS API 135: Economics of Climate Change and Environmental Policy (4-units, prerequisite: introductory economics)
 - HKS DEV-210: Public Finance in Theory and Practice (4-units)
 - HKS MLD 410: State and Local Finance (4-units, not offered every year)
 - HKS SUP 680: Urban Economic Policy (4-units)
 - Alternate course as approved by the program director.
- Legal and Institutional methods requirement (4-units)
 - GSD 5206: Land-Use and Environmental Law (4-units)
 - GSD 5437: Urbanization and Development (**approved only for the 2022-2023 academic year**)
 - GSD 5502: Urban Governance and the Politics of Planning in the Developing World (4-units, **next offered in 2023-2024 academic year**)
 - Alternate course as approved by the program director.

Exemption and Waiver: Students with prior academic experience are offered the opportunity to pursue exemptions, waivers, and substitutions for various required courses. It is a student's responsibility to pursue exemptions in a timely manner. Exemption exams are offered once per year in August. Waiver requests should be submitted following the process outlined by your program manager along with all required supporting documentation. Note that waiving a course does not reduce the total number of units required for graduation. More information about exemptions and waivers can be found within the MUP Program Resource Center: <https://www.gsd.harvard.edu/resources/mup-waivers-exemptions-and-substitutions/>

4. Area of Concentration Requirement (12-units)

Students must complete 12-units of coursework in an area of concentration as part of their degree requirements. By grouping together 12-units of elective courses it provides a deeper engagement with a specific subject area of urban planning. Core studios, required courses, methods requirements courses, independent thesis, and option studios (except for Urban Design*; see below) may not be used to satisfy the area of concentration requirement.

Students occasionally seek to complete two areas of concentration. This is permissible if courses are not double counted within the two areas. Students should be aware that only one

concentration is tracked as part of their program requirements. Concentrations do not appear on a student's final transcript or diploma.

Students must submit the form entitled [Declaration of Area of Concentration](#) to the UPD office at the beginning of their third term and no later than the course selection deadline during add/drop. Once you have declared your concentration, its progress will be tracked on your advising report within my.harvard.edu.

Students may choose one of the below-listed [areas of concentration](#) or design their own special area of concentration. The current areas of concentration include the following:

- Environment, Climate, and Health
- Housing, Community, and Economic Development
- International and Comparative Planning
- Real Estate and Urban Development
- Transportation and Infrastructure
- Urban Analytics
- Urban Design*

Students wishing to pursue a special area of concentration instead of selecting one of the established areas of concentration must prepare a description of their proposed special area, secure the agreement of a faculty member to serve as the student's special area of concentration advisor, and obtain the approval of the MUP program director. Students are advised to speak to the MUP program director as a first step.

***Note:** If students take an option studio for this concentration, only option studios offered by the UPD department (STU 1500-level) count towards the satisfaction of the Urban Design area of concentration.

5. Project-Based Learning Requirement (a minimum of 8-units)

MUP students must fulfill a minimum of 8-units through intensive, project-based learning experiences. These can take the form of an option studio (8-units), an independent thesis (8-units plus a 4-unit thesis prep course. GSD 9204), or a total of 8-units in approved project-based classes or independent studies under faculty supervision (e.g., in a research lab). A project-based course has a substantial amount of the assignment load (40% or more) comprising an applied, real-world, project for an external client; the only exception is a project conducted under close faculty supervision in a research lab. Those interested in more theoretical or conceptual projects should do a thesis.

All students must submit the form entitled [Binding Declaration Form: Thesis, Option Studio, or Project-Based Courses](#) to the UPD office no later than the first Monday in April of their second term. **Please note that, if this form is not submitted by the deadline, the student will be presumed to have decided to take a studio option in their third term only.** Changes to a declaration form are not possible after the department-wide deadline.

Option Studios (up to 16-units)

In addition to the two first-year core urban planning studios, MUP students may take an option studio in their third and/or fourth term. These option studios may be chosen from those offered by any department at the GSD, except for certain studios which require specific backgrounds in other disciplines. The Urban Planning and Design department always offers a selection of studios explicitly intended to be welcoming to planning students.

Independent Thesis (8-units, plus 4-units in GSD 9204: Preparation for Independent Thesis Proposal)

Students may write an independent thesis during their fourth and final term. A prerequisite to writing an independent thesis in the final term is successful previous completion of GSD 9204: Preparation for Independent Thesis Proposal, as well as agreement by a faculty member to serve as independent thesis advisor, and approval of the program director.

Project-based Courses

Project-based courses may be classes at the GSD, other schools at Harvard, at MIT, or independent studies under faculty supervision (e.g., in a research lab). The specific courses are approved by the MUP Program Director with the concurrence of the UPD Department Chair and are reviewed on an annual basis. Students may nominate courses to add to the pre-approved list, but such courses must be approved in advance and before the end of the add/drop period in the semester the course runs. A minimum of 8-units of project-based courses must be taken if this option is being used to fulfill the project-based learning requirement. There is no restriction on the total number of project-based courses students may take as electives. Project-based courses may count toward areas of concentration.

6. Elective Courses

Students may take elective courses offered by the GSD, other Harvard schools, MIT, and the Tufts Fletcher School to advance their specific intellectual interests. Core studios and course requirements, methods requirement courses, option studios, and independent thesis, and the thesis preparation course are not considered elective courses. Elective courses complete the minimum 80-units of the total credit required for the MUP degree. Students should be aware of the GSD-wide rule that at least 50% of their courses in any one term must be GSD courses.

III. SCHEDULE

The following schedule must be observed during a student's two years in the program. **Students are strongly advised to complete all methods requirements in the first year of study:**

First Term

GSD 1121: First Term Core Urban Planning Studio (8-units)

GSD 2127 (M1): Representation for Planners (2-units)

GSD 2128 (M1): Spatial Analysis (2-units)

Courses satisfying Methods Requirements, Area of Concentration Requirement, Project-Based Learning Requirement, and/or Electives (4-units). **We highly recommend:**

- GSD 5215 (M2): Analytic Methods of Urban Planning: Quantitative (2-units)
- GSD 5216 (M2): Analytic Methods of Urban Planning: Qualitative (2-units)

Courses satisfying Methods Requirements, Area of Concentration Requirement, Project-Based course Requirement, and/or Electives (4-units).

Second Term

GSD 1122: Second Term Core Urban Planning Studio (8-units)

GSD 4152: Urban Planning Theory and Praxis: Comparative-Historical Origins and Applications

GSD 5103: Public and Private Development (4-units)

Courses satisfying Methods Requirements, Area of Concentration Requirement, Project-Based course Requirement, and/or Electives (4-units).

Third Term

Project-Based Courses, Thesis Prep, and/or Option Studio (0-8 units)

Courses satisfying Methods Requirements, Area of Concentration Requirement, Project-Based Learning Requirement, and/or Electives (12-20 units)

Fourth Term

Project-Based Courses, Option Studio, or Independent Thesis (0-8 units)

Courses satisfying Methods Requirements, Area of Concentration Requirement, Project-Based Learning Requirement, and/or Electives (12-20 units)

IV. FORMS

In order to make administration of the MUP degree program requirements easier and more transparent for students, faculty, and staff, students must use the following forms, and are responsible for completing them accurately and submitting them in a timely fashion:

- Binding declaration form to fulfill the Project-Based Course Requirement ([Declaration Form: Studio, Thesis, or Project-Based Courses](#))
- [Declaration Form: Area of Concentration](#)
- Petition to Exempt from a Course Requirement (*contact your program coordinator, Sarah Hutchinson, for the online petition form*)
- Petition to Substitute an Alternate Course Satisfying a Methods Requirement (*contact your program coordinator, Sarah Hutchinson, for the online petition form*)

Forms are available on the department website's

Current MUP Degree Requirements

page: <http://www.gsd.harvard.edu/resources/current-mup-degree-requirements/>