CITY & REGIONAL PLANNING: SUSTAINABLE TRANSPORTATION & INFRASTRUCTURE, MCP

The Master of City Planning core curriculum encompasses the basic skills and knowledge required of all planners regardless of their specialization, and is a hallmark of our cutting-edge and practical approach to educating city planners. Students who complete the core will understand the legal and historical basis of city planning; they will know how to use a wide variety of population and economic data to understand local communities; and they will understand the form and arrangement of cities and metropolitan areas around the world. Most important, they will understand which planning approaches work best in which contexts and circumstances.

This concentration explores the roles of transportation and other capital infrastructure systems in shaping urban and metropolitan development patterns in the U.S. and around the world. It focuses foremost on urban highway, public transit, and non-motorized transportation systems and their connections to sustainable, livable and economically-productive development forms; and secondly on water, energy, and communications infrastructure. It covers initial planning and development topics (such as right-of-way and system planning issues), linkages to urban and economic development issues (such as those surrounding high-speed rail), and ongoing finance and management topics such as pricing, equity of access, and value creation. Students who complete the Sustainable Transportation & Infrastructure Planning concentration work for local and municipal governments, for state highway departments and metropolitan transit operators, for transportation and infrastructure planning consultants, for system developers and utilities, and for policy and planning organizations advocating more sustainable transportation and development choices.

For more information: https://www.design.upenn.edu/city-regional-planning/graduate/program

Curriculum

A total of 18 course units are required for graduation. 15 course units must be in City Planning (CPLN) courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Course Units</th>
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<tbody>
<tr>
<td>CPLN 500</td>
<td>Introduction to City Planning: Past, Present and Future</td>
<td>1</td>
</tr>
<tr>
<td>CPLN 501</td>
<td>Quantitative Planning Analysis Methods</td>
<td>1</td>
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<tr>
<td>CPLN 502</td>
<td>Urban Redevelopment and Infrastructure Finance</td>
<td>1</td>
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<tr>
<td>or CPLN 509</td>
<td>Law of Planning and Urban Development</td>
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<tr>
<td>CPLN 600</td>
<td>Planning Workshop</td>
<td>2</td>
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<tr>
<td>CPLN 7XX</td>
<td>Planning Studio</td>
<td>2</td>
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Spatial Analysis Requirement
Select one of the following: 1

- CPLN 503 Modeling Geographical Objects
- CPLN 632 Modeling Geographic Space
- ENVS 541 Modeling Geographical Objects

Breadth Methods Requirement
Select one of the following: 1

- CPLN 504 Site Planning
- CPLN 505 Planning by Numbers
- CPLN 506 Negotiation and Conflict Resolution
- CPLN 530 Introduction to Land Use Planning
- CPLN 540 Introduction to Property Development
- CPLN 560 Introduction to Graphics for Urban Design
- CPLN 627 Social Impact in Practice
- CPLN 675 Land Use and Environmental Modeling

General Electives
Select 4-5 course units 4-5

Sustainable Transportation & Infrastructure Requirements

Required courses
- CPLN 505 Planning by Numbers 1
- CPLN 550 Introduction to Transportation Planning
- CPLN 650 Transportation Planning Methods

Concentration Electives
Select two of the following: 2

- CPLN 655 Multimodal Transport
- CPLN 750 Advance Transportation Seminar
- Other STIP-related course with permission of advisor

Total Course Units 18

1 Students may not count CPLN 505 as their Breadth Methods requirement.

Internship Requirement

Because a planning education extends beyond the classroom, all MCP students are required to complete a planning internship, usually between their first and second years. Internships may be paid or unpaid, for at least six weeks. Internships can be completed at any government agency or commission, private consulting firm, or non-profit or advocacy organization involved in planning practice, or research.

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2021 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.