ENGINEERING, MS/URBAN PLANNING, MUP

In cooperation with the Department of Urban Planning, the College of Engineering and Applied Science offers a Master of Science in Engineering/Master of Urban Planning program to prepare students for positions in transportation, public works or similar areas.

Cooperating Departments:
- Civil Engineering
- Electrical Engineering and Computer Science
- Industrial and Manufacturing Engineering
- Materials
- Mechanical Engineering

Admission Requirements

Application Deadlines
Application deadlines vary by program, please review the application deadline chart (http://uwm.edu/graduateschool/program-deadlines/) for specific programs. Other important dates and deadlines can be found by using the One Stop calendars (https://uwm.edu/onestop/dates-and-deadlines/).

Credits and Courses

Students are required to meet the College of Engineering and Applied Science requirements for the Master of Science in Engineering degree as well as the requirements for a Master of Urban Planning degree as set by the Department of Urban Planning. Students in this program are required to take 15 credits in an approved program of technical studies in the College of Engineering and Applied Science, and 6 credits in nontransportation related engineering approved electives.

Students in the MS/MUP program are required to take 6 credits in the Department of Urban Planning as well as an additional 24 credits of core courses in the Department of Urban Planning. The total credit requirement for the MS/MUP program is 54 credits. Students in the MS/MUP program must also take and pass a comprehensive exam in Urban Planning.

Important
You must refer to the catalog pages of both individual master’s programs to ensure that you meet all requirements for both degrees.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Urban Planning Core Courses</td>
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<tr>
<td>URBPLAN 701</td>
<td>Introduction to Land Use Planning</td>
<td>27</td>
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<tr>
<td>URBPLAN 702</td>
<td>Introduction to Planning Law</td>
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<tr>
<td>URBPLAN 711</td>
<td>Planning Theories and Practice</td>
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<tr>
<td>URBPLAN 720</td>
<td>Urban Development Theory and Planning</td>
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<tr>
<td>URBPLAN 721</td>
<td>Applied Planning Methods</td>
<td></td>
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<tr>
<td>URBPLAN 740</td>
<td>Data Analysis Methods I</td>
<td></td>
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<tr>
<td>URBPLAN 810</td>
<td>Planning Policy Analysis</td>
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<tr>
<td>URBPLAN 811</td>
<td>Applied Planning Workshop</td>
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<tr>
<td>URBPLAN 751</td>
<td>Introduction to Urban Design and Physical Planning</td>
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<tr>
<td>or URBPLAN 791</td>
<td>Introduction to Urban Geographic Information Systems for Planning</td>
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Code   Title                                               Credits
MS Thesis Option
- Urban Planning Credits (See course list above)         27
- Civil Engineering Concentration credits (see courses below) 15
- Select 6 credits of approved electives                   6
- Select 3 credits CEAS Graduate Seminar                   3
- Select 3 credits of thesis                                3
Total Credits                                               54

Non-Thesis Capstone Option
- Urban Planning Credits (See course list above)         27
- Minimum 18 credits approved credits including Civil Engineering Concentration (see courses below) 18
- Select 6 credits of approved electives                   6
- Select 1 credits CEAS Graduate Seminar                   1
- Select 3 credits of capstone: Capstone course or flexible independent study                   3
Total Credits                                               55

Non-Thesis Comprehensive Examination Option
- Urban Planning Credits (See course list above)         27
- Minimum 21 credits approved credits including Civil Engineering Concentration (see courses below) 21
- Select 6 credits of approved electives                   6
- Select 1 credits CEAS Graduate Seminar                   1
Total Credits                                               55

Civil Engineering Concentration
A minimum of 15 credits of qualifying graduate courses in Civil Engineering.

Qualifying Courses

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>Any Civ Eng courses numbered between 701 and 999, excluding 888 and 998.</td>
<td>15</td>
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- May include up to 3 credits each of:
  - CIV ENG 990 Masters Thesis
  - CIV ENG 999 Advanced Independent Study
Total Credits                                               15

Additional Requirements

Degree Requirements
Students in the program will concurrently pursue a Master of Science in Engineering degree and a Master of Urban Planning degree from the School of Architecture and Urban Planning. Prerequisite to the award of either degree in this program is the simultaneous award of its counterpart degree. Candidates seeking admission to the MS/MUP must apply to and be admitted to both programs. The requirements for admission to the Master of Urban Planning degree program are detailed in the Urban Planning section of the Catalog.
Time Limit
Students in the MS/MUP program are allowed up to five years from time of initial enrollment to complete all requirements for both degrees.