

# 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.

Code	Title	Credits
<b>Urban Planning Core Courses</b>		<b>27</b>
URBPLAN 701	Introduction to Land Use Planning	
URBPLAN 702	Introduction to Planning Law	
URBPLAN 711	Planning Theories and Practice	
URBPLAN 720	Urban Development Theory and Planning	
URBPLAN 721	Applied Planning Methods	
URBPLAN 740	Data Analysis Methods I	
URBPLAN 810	Planning Policy Analysis	
URBPLAN 811	Applied Planning Workshop	
URBPLAN 751	Introduction to Urban Design and Physical Planning	

or URBPLAN 791	Introduction to Urban Geographic Information Systems for Planning	
or URBPLAN 857	Urban Design as Public Policy	
<b>Total Credits</b>		<b>27</b>

Code	Title	Credits
<b>MS Thesis Option</b>		
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
<b>Total Credits</b>		<b>54</b>

Code	Title	Credits
<b>Non-Thesis Capstone Option</b>		
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
<b>Total Credits</b>		<b>55</b>

Code	Title	Credits
<b>Non-Thesis Comprehensive Examination Option</b>		
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
<b>Total Credits</b>		<b>55</b>

### Civil Engineering Concentration

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

### Qualifying Courses

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

## 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.