Transportation Engineering and Urban Planning are related fields in practice. Transportation studies are concerned with the planning, design, construction and operation of transportation systems, while urban planning studies focus on the relationships between the transportation systems and urban metropolitan, regional, national and international development patterns. Given the increased complexity and inter-relatedness of the issues engineers and planners address, persons trained in both fields are in demand. Transportation engineers need a broad background to approach transportation problems at an urban, if not regional, scale. Planners will find themselves much closer to implementation in transportation programs when they gain specific knowledge of the intricacies of transportation engineering. The coordinated degree program at UWM combines course work in both engineering and planning to prepare people to work in this complex field.

**Sample Program**

**Semesters 1 & 2**

**Urban Planning**
- Cities and Regions: Planning Theory
- Planning Methods
- Introduction to Urban GIS

**Transportation Engineering**
- Traffic Control
- Transportation Engineering
- Transportation Systems Design

**Semesters 3 & 4**

**Urban Planning**
- Planning Policy Analysis
- Applied Planning Workshop
- Transportation Planning and Policy Analysis

**Transportation Engineering**
- Urban Transportation Planning
- Methods of Transportation Analysis

**Semester 5**

**Transportation Engineering**
- Thesis
- Methods of Transportation Analysis

**Program Faculty**

**Civil Engineering Department**
- Edward Beimborn
- Alan Horowitz

**Urban Planning Department**
- Virginia Carlson
- Nancy Frank
- William Huxhold
- Joseph Mangiamele
- Zhong-Ren Peng
- Welford Sanders
- Sammis White

**Architecture Department**
- Harvey Rabinowitz
- Lawrence Witzling

**Industrial and Systems Engineering**
- Arun Garg
- Minnie Patel
- U. Saxena

**School of Business Administration**
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Master of Urban Planning
Master of Science in Engineering
Coordinated Degree Program