The certificate in Transportation Planning program provides students with a substantive base of knowledge needed to be broadly successful in the transportation profession, as well as with specialized instruction tailored to building student skills and capabilities in three critical areas: Transportation Systems Planning, Transportation and Urban Design, and Transportation Policy. Students enrolled in the certificate program will further take a comprehensive capstone course. The Certificate is one of the few educational programs that address the field of transportation in a truly comprehensive, interdisciplinary manner. It is a partnership among the Department of Landscape Architecture and Urban Planning (LAUP) in the College of Architecture, the Texas Transportation Institute (TTI), the Department of Civil Engineering, and the Bush School of Government and Public Service. The Certificate is housed in the Hazard Reduction and Recovery Center in the College of Architecture. This program will be open to any graduate student at Texas A&M University with an interest in transportation. Certificate Coordinator: Dr. Eric Dumbaugh.

For more information, see http://laup.arch.tamu.edu/academics/certificates/ctp/.

### Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN 612</td>
<td>Transportation in City Planning</td>
<td>3</td>
</tr>
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</table>

#### Focus Area

**Multimodal Systems Planning**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>PLAN 670</td>
<td>Urban Public Transportation Planning</td>
<td>3</td>
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</table>

**Transportation and Urban Design**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN 673</td>
<td>Design for Sustainable Transportation</td>
<td>3</td>
</tr>
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</table>

**Transportation Planning and Public Policy**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN 676</td>
<td>Transportation Investment Decisions</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Electives

Select six semester credit hours from the following:

- CVEN 617 Traffic Engineering: Characteristics
- CVEN 618 Traffic Engineering: Operations
- CVEN 635 Street and Highway Design
- CVEN 672 Engineering and Urban Transportation Systems
- LAND 661 Visual Quality for Design and Planning
- PLAN 670 Urban Public Transportation Planning
- PLAN 674 Transportation System Analysis

#### Total Semester Credit Hours

9

#### Total Semester Credit Hours

15

### Focus Area

**Transit Management**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PLAN 676</td>
<td>Transportation Investment Decisions</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Electives

Select one of the following:

- CVEN 617 Traffic Engineering: Characteristics
- CVEN 618 Traffic Engineering: Operations
- CVEN 635 Street and Highway Design
- CVEN 672 Engineering and Urban Transportation Systems
- LAND 661 Visual Quality for Design and Planning
- PLAN 670 Urban Public Transportation Planning
- PLAN 674 Transportation System Analysis

#### Total Semester Credit Hours

3
<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>PLAN 670</td>
<td>Urban Public Transportation Planning</td>
</tr>
<tr>
<td>PLAN 673</td>
<td>Design for Sustainable Transportation</td>
</tr>
</tbody>
</table>

**Electives**

**Planning and Civil Engineering:**

Select one of the following: 3

- CVEN 618  Traffic Engineering: Operations
- CVEN 632  Transportation Engineering: Economics
- CVEN 672  Engineering and Urban Transportation Systems
- PLAN 674  Transportation System Analysis

**Management, Policy and Finance:**

Select one of the following: 3

- MGMT 630  Behavior in Organizations
- MGMT 639  Negotiations in Competitive Environments
- MGMT 655  Survey of Management
- MGMT 658  Managing Projects
- MGMT 675  Leadership in Organizations
- PLAN 676  Transportation Investment Decisions
- PSAA 611  Public Policy Formation
- PSAA 622  Public Finance
- PSAA 634  Public Management
- PSAA 636  Grant and Project Management in the Public and Nonprofit Sectors
- PSAA 648  Performance Management in the Public and Nonprofit Sectors

**Total Semester Credit Hours** 9

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1 Students are advised to take PLAN 670 if available, but PLAN 673 will also satisfy this requirement.