TO: Dr. David Reed, Chair of Graduate Council
    Dr. Robert Webb, Dean of Graduate Study

FROM: Dr. Lou Tassinary, Director of Graduate Studies

DATE: 10 April 2008

SUBJECT: Request for Approval of Graduate Certificate in Transportation Planning

Please find attached for onward transmission to the appropriate review entities at the University level, the proposal to establish a Graduate Certificate in Transportation Planning.

The proposal was unanimously approved by the College of Architecture’s Executive Committee on October 9, 2007; and the College of Architecture Director of Graduate Studies, Lou Tassinary and the College of Architecture Dean, J. Thomas Regan. The Certificate in Transportation Planning Program was developed as a partnership between the College of Architecture, the Department of Civil Engineering, Texas Transportation (TTI), and George Bush School of Government and Public Service.

Also attached are support letters from the participating entities. The University Certificate will become effective as soon as it is approved at the University level.

Please contact Trisha Gottschalk at 825-2030 if more information is needed in order to approve this certificate.

LT/tg

Attachments
Memorandum

Date: April 1, 2008

To: J. Thomas Regan, Dean
   College of Architecture

Through: Lou Tassinary
         Associate Dean of Research,
         Director of Graduate Studies

From: Forster Ndubisi, Dept. Head
      Landscape Architecture and Urban Planning

Subject: Graduate Certificate in Transportation Planning

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THE GRADUATE CERTIFICATE
IN TRANSPORTATION PLANNING

Program Description
and Degree Requirements

March 5, 2008
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PART I: Program Description

Purpose

The Graduate Certificate in Transportation Planning (CTP or "the Certificate") is a multi-disciplinary program aimed at providing 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: Multimodal Systems Planning, Transportation and Urban Design, and Transportation Planning and Public Policy. This program will be open to any graduate student at Texas A&M University with an interest in transportation. The Certificate in Transportation Planning Program is developed as a partnership between the College of Architecture, the Department of Civil Engineering, the Texas Transportation Institute (TTI), and the Bush School of Government and Public Service. The Certificate will be housed in the Hazard Reduction and Recovery Center, College of Architecture.

The CTP Council

The CTP Council is comprised of at least five (5) faculty members who are experts in the field, including representatives from the participating units—Department of Landscape Architecture and Urban planning (LAUP), Hazard Reduction and Recovery Center (College of Architecture), Department of Civil Engineering, Texas Transportation Institute (TTI), and George Bush School of Government and Public Service. These faculty members will be appointed by the Dean of the College of Architecture to advice on all matters relating to the program.

The Graduate Advisory Committee for each student, with the oversight of degree coordinators, department heads, and the Office of Graduate Studies, is responsible for the academic program of the student. However, the CTP Council is charged with ensuring that students recommended for the certificate have met content standards.

The program can be accomplished within the minimum number of hours required for any of the graduate degrees offered within the College of Architecture. However, the fit with programs in other colleges will need to be assessed on a case-by-case basis. Moreover, the student's Graduate Advisory Committee might require, or the student may choose to take, additional hours not on the degree plan in order to meet the requirements for the certificate.

The Certificate Program

The Certificate is to be awarded after completion of a prescribed program of study, and must be signed by the head of the student's academic department and the dean of the college. The certificate contains the seal of the university and appropriate text. It will normally be presented at college ceremonies prior to the official university graduation exercises.

PART II: Criteria and Course Requirements

The College of Architecture will award the Certificate to students meeting the criteria listed below:

1. All students should declare intent to seek the Certificate at the time of filing a Degree Plan, but in any event must submit an application as soon as possible after filing a
Degree Plan. Application forms are available in the Graduate Programs Office in the College of Architecture, and are also available at the Hazard Reduction & Recovery Center and the Certificate Program Coordinator.

2. The student must complete a minimum of fifteen (15) credit hours of course work in transportation planning. This 15-credit sequence of courses is comprised of a foundational course in transportation planning (Foundation: 3 credits), a course providing a foundation in the students area of focus (Focused Foundation: 3 Credits), two electives in the student’s chosen area of focus (6 credits), and a studio and lab course that provides a comprehensive, multidisciplinary application of the skills and knowledge gained during the completion of the certification program (Capstone Course: 3 Credits) The courses must be applicable toward a graduate degree in the College of Architecture, but may not necessarily be included on the student’s degree plan. At least, three (3) credit hours of course work with transportation content must be from outside the student’s major department.

3. The student must complete a professional study, thesis, or dissertation with a transportation focus approved by the CTP Council or the Certificate Coordinator if this is required by the student’s major program. A one (1) page abstract detailing the proposed study or thesis will be submitted at the time the student applies for admission into the Certificate program.

4. On completion of all the requirements for the graduate degree, the student will receive “the Certificate” signed by the Dean and the appropriate Department Head. A certificate in Transportation Planning will be offered through Continuing Education/Distance Education [“Executive Program] at Texas A & M University for professionals and others who are not currently enrolled in a master or doctoral degree program at Texas A & M University.

The student’s Graduate Advisory Committee remains the primary body for recommending the degree plan content. Courses required or intended for the Certificate may be used in the degree plan with the concurrence of the Graduate Advisory Committee. Students also may add courses beyond their normal degree requirements in order to fulfill the Certificate requirements. Students are encouraged to consult with their Graduate Advisory Committee and the Coordinator of the Certificate as they develop their degree plans.

PART III-A: Approved Courses for the Certificate

The CTP Council will pre-approve a list of courses that meet the requirements for transportation planning content. The list, together with associated syllabi and names of instructors, will be on file in the Transportation Planning Certificate Program Office, which is located in the LAUP Office. The list will be available also in the Hazard Reduction & Recovery Center Office.

Students who identify a course not on the list of pre-approved courses, or who wish to transfer courses from another institution, must submit a written statement that clearly describes how a course lacking prior approval is related to the student’s course of study.
in transportation planning. This written statement, supported by a copy of the course syllabus, will be reviewed by the CTP Council. Where a course has a generic topic (for example a design studio in architecture, or a capstone studio course in land development or planning), the written statement of the transportation planning content and the student’s specific role in working with that content must be co-signed by the course instructor. Courses that are not acceptable for use toward a graduate degree at Texas A&M University will not be approved under any circumstances. The CTP Council may seek input from faculty concerning course content and/or the specific contribution of a student in a course with team activity.

Where the CTP Council makes a negative finding as to applicability of a course, or a final project, the finding will be made in writing with copies to the student, student file, and chair of the student’s Graduate Advisory Committee. Appeals against findings of the CTP Council will be made to the academic dean of the College of Architecture.

PART III-B: Curriculum

The curriculum for the Certificate is represented graphically in Figure 1.

1. Foundations of Transportation Practice (3 Credit Hours)
   Students pursuing the Certificate will begin their study by taking PLAN 612: Transportation in City Planning, which provides a comprehensive overview of the role of transportation in society. Required Course:

   - PLAN 612: Transportation in City Planning

2. Focus Area (9 Credit Hours)
   The second step in the completion of the Certificate is the completion of nine (9)-credits in one of three specific areas of professional focus. Each of the three focus areas is designed to meet critical needs within the transportation profession, and is tailored towards securing students placement in appropriate transportation-related agencies and organizations.

   a. Multimodal Systems Planning
      The focus area in Multimodal Systems Planning is intended for students seeking to address regional-level transportation issues. This focus area builds upon the foundational curriculum by providing an in-depth examination of multimodal solutions for addressing regional mobility, as well providing students with instruction on the tools and methods used for designing and aligning regional-level transportation system investments. Students focusing on Multimodal Systems Planning will have the educational background needed for successful employment in metropolitan planning organizations (MPOs), Regional Councils of Governments (COGs), as well as the diverse array of private consulting firms who provide support for the activities of these agencies. Courses for students focusing on Multimodal Systems Planning are:

      Required: Focused Foundation in Multimodal Systems Planning (3 Credits)
      - PLAN 670: Urban Public Transportation Planning
Electives: Multimodal Systems Planning (6 Credits)
- PLAN 650: Disaster Response Planning
- PLAN 674: Transportation Systems Analysis
- PLAN 673: Design for Sustainable Transportation
- CVEN 672: Engineering and Urban Transportation Systems

Certificate in Transportation - Curriculum Structure
- CVEN 618: Traffic Engineering: Operations
- PLAN 626: Advanced GIS in Landscape Architecture and Urban Planning*
- PLAN 669: Urban Infrastructure Planning
- PLAN 689: Transportation Investment Decisions
- PLAN 689: Transportation and Urban Design
- CVEN 632: Transportation Systems Engineering Management

* Prerequisite: PLAN 625: Geographic Information Systems in Landscape Architecture and Urban Planning, or an approved substitute.

b. Transportation and Urban Design
The focus area in Transportation and Urban Design seeks to address the growing demand for transportation professionals who can balance conventional mobility concerns with the needs of the built and natural environments. Despite the call from industry leaders such as the Federal Highway Administration (FHWA), the Institute of Transportation Engineers (ITE), and the Transportation Research Board (TRB) for a more “context-sensitive” approach to transportation planning and design few, if any, University programs provide specific instruction in this area. The focus area in Transportation & Urban Design seeks to build upon TAMU’s reputation as a leader in transportation education by providing specialized instruction aimed at addressing this critical professional need. Students focusing in Transportation and Urban Design will typically find employment in the growing number of private firms providing specialized transportation design services to both local governments and state departments of transportation (DOTs), as well in staff positions in public-sector agencies. Courses for students focusing in Transportation & Urban Design are:

Required: Focused Foundation in Transportation and Urban Design (3 Credits)
- PLAN 689: Transportation and Urban Design

Electives: Transportation and Urban Design (6 Credits):
- PLAN 674: Transportation Systems Analysis
- PLAN 670: Urban Public Transportation Planning
- PLAN 673: Sustainable Transportation
- LAND 661: Visual Quality for Design and Planning
- PLAN 689: Transportation Investment Decisions
- PLAN 669: Urban Infrastructure Planning
- CVEN 617: Traffic Engineering: Characteristics
- CVEN 632: Transportation Systems Engineering Management
- CVEN 635: Street and Highway Design
- CVEN 618: Traffic Engineering: Operations
- CVEN 672: Engineering and Urban Transportation Systems
c. Transportation Planning and Public Policy
Total public expenditures in transportation infrastructure total more than $170 billion per year, with many public funding programs tied to specific program grants that direct how transportation system investments are made. The Transportation Planning and Public Policy focus area is intended to develop policy innovators who are able to tailor public policy and finance to address emerging transportation needs. Students focusing in this area will have the educational background needed to assume policy and managerial positions in public-sector entities responsible for transportation planning and investments, such as state and local departments of transportation (DOTs), as well as in the Federal agencies tasked with oversight over the nation’s transportation system, such as the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA), among others. Proposed courses for this focus area include:

Required: Focused Foundation in Transportation Planning and Public Policy (3 Credits)
- PLAN 689: Transportation Investment Decisions

Electives: Transportation Planning and Public Policy (6 Credits)
- PSAA 611: Public Policy Formation
- PSAA 612: Public Policy Administration
- PSAA 614: Organization for the Public Sector
- PSAA 634: Public Management
- CVEN 632: Transportation Systems Engineering Management
- PLAN 669: Urban Infrastructure Planning
- PLAN 650: Disaster Response Planning

3. Capstone Course (3 Credit Hours)
The Certificate in Transportation will culminate in a second-year capstone course that synthesizes the knowledge obtained during the course of the certificate program. As envisioned, the Capstone Course will require students from each of the three focus areas to work collaboratively to develop comprehensive real-world solutions to transportation problems at the local and regional scales. As growth and demand in individual focus areas permits, additional capstone courses may be added that are tailored towards students in specific focus areas.

Required (3 Credits)
- PLAN 689: Transportation Studio and Lab

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PART III-C: Program Faculty

The following faculty members have special expertise appropriate to transportation planning and should be considered for inclusion on student guidance committees:

- Elise Bright, Landscape Architecture and Urban Planning
- Mark Burris, Civil Engineering
- Eric Dumbaugh, Landscape Architecture & Urban Planning
- Bill Eisele, Texas Transportation Institute, Landscape Architecture & Urban Planning
- David Ellis, Texas Transportation Institute, Landscape Architecture & Urban Planning
- Gene Hawkins, Civil Engineering
- Chanam Lee, Landscape Architecture & Urban Planning
- Ming Han Li, Landscape Architecture & Urban Planning
- Michael Lindell, Landscape Architecture & Urban Planning
- Eric Lindquist, Bush School of Government and Public Service
- Tim Lomax, Texas Transportation Institute & Landscape Architecture & Urban Planning
- Forster Ndubisi, Landscape Architecture & Urban Planning
- Dennis Perkinson, Texas Transportation Institute & Landscape Architecture & Urban Planning
- Luca Quadrifoglio, Civil Engineering
- Katherine Turnbull, Texas Transportation Institute & Landscape Architecture & Urban Planning
- Douglas Wonneburger, Landscape Architecture & Urban Planning
- Arnold Vedlitz, Bush School of Government and Public Service
# PART III-D: Model Degree Plan for Master of Urban Planning Students

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Fall Semester I</strong></td>
<td>PLAN 601: Introduction to Urban Planning</td>
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<td>PLAN 604: Planning Methods I</td>
<td>3</td>
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<tr>
<td></td>
<td>PLAN 610: Structure and Function of Settlements</td>
<td>3</td>
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<tr>
<td></td>
<td><em>PLAN 612: Transportation in City Planning</em></td>
<td>3</td>
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<tr>
<td><strong>Spring Semester I</strong></td>
<td>PLAN 613: Planning Methods II</td>
<td>3</td>
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<tr>
<td></td>
<td>PLAN 640: Law and Legislation</td>
<td>3</td>
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<tr>
<td></td>
<td>PLAN 673: Design for Sustainable Transportation</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PLAN 674: Transportation Systems Analysis</td>
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<td><strong>Fall Semester II</strong></td>
<td>PLAN 684: Professional Internship</td>
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<td>PLAN 662: Applied Planning I</td>
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<td>PLAN 670: Urban Public Transportation Planning</td>
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<td><strong>Spring Semester II</strong></td>
<td>PLAN 663: Applied Planning II</td>
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<td>PLAN 693: Professional Study</td>
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<td></td>
<td>PLAN 689: Transportation Studio and Lab</td>
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<td>Elective</td>
<td>3</td>
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</tr>
</tbody>
</table>

**Minimum Hours Standard Degree**

|                   | 48 |

* CTP classes in *italics*

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* Note: Specific course sequences may vary given the focus area selected by the individual student. The above sequence represents the anticipated schedule for a student focusing on Multimodal Transportation Systems Planning.
### PART III-E: Model Degree Plan for Master of Landscape Architecture Students

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Fall Semester I</strong></td>
<td>LAND 620: Open Space Development 1</td>
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<td>LAND 640: Research Methods in Landscape Arch.</td>
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<td>RLEM 602: Ecology and Land Uses</td>
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<td>PLAN 612: Transportation in City Planning</td>
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<td><strong>Spring Semester I</strong></td>
<td>LAND 621: Open Space Development II</td>
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<td>LAND 681: Seminar</td>
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<td>PLAN 673: Design for Sustainable Transportation</td>
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<td>PLAN 674: Transportation Systems Analysis</td>
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<tr>
<td><strong>Summer Semester I</strong></td>
<td>LAND 684: Professional Internship</td>
<td>4</td>
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<tr>
<td><strong>Fall Semester II</strong></td>
<td>LAND 646: Professional Practice</td>
<td>3</td>
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<td>LAND 693: Professional Study</td>
<td>3</td>
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<td>PLAN 670: Urban Public Transportation</td>
<td>3</td>
</tr>
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<td></td>
<td>Elective</td>
<td>12</td>
</tr>
<tr>
<td><strong>Spring Semester II</strong></td>
<td>LAND 646: Professional Practice</td>
<td>3</td>
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<tr>
<td></td>
<td>LAND 693: Professional Study</td>
<td>4</td>
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<td>PLAN 689: Transportation Studio and Lab</td>
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<td><strong>Minimum Hours Standard Degree</strong></td>
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<td>48</td>
</tr>
</tbody>
</table>

* CTP classes in italics

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* Note: Specific course sequences may vary given the focus area selected by the individual student. The above sequence represents the anticipated schedule for a student pursuing a Master of Landscape Architecture Degree that is focusing on Transportation and Urban Design.
### PART III-F: Model Degree Plan for Master of Architecture Students

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
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<tr>
<td><strong>Fall Semester I</strong></td>
<td>ARCH 605: Design I</td>
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<td>ARCH 631: Structure Elements III</td>
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<td>ARCH 633: Environmental Systems 3</td>
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<td><strong>Spring Semester I</strong></td>
<td>ARCH 606: Design II</td>
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<td>PLAN 673: Design for Sustainable Transportation</td>
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<td>ARCH 638/9: Architectural History</td>
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<td><strong>Summer Semester I</strong></td>
<td>ARCH: Architecture Elective</td>
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<td>ARCH 607: Design III</td>
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<td>PLAN 670: Urban Public Transportation</td>
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<td>PLAN 612: Transportation in City Planning</td>
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<td>ARCH 685: Final Study Prep</td>
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</tbody>
</table>

**Minimum Hours Standard Degree**: 52

* CTP classes in *italics*

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*Note: Specific course sequences may vary given the focus area selected by the individual student. The above sequence represents the anticipated schedule for a student pursuing a Master of Architecture Degree that is focusing on Transportation and Urban Design.*
PART III-G: Model Degree Plan for Master of Science in Civil Engineering Students

<table>
<thead>
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<th>Semester</th>
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<td>CVEN 617</td>
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<td>Seminar in Transportation</td>
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<td>CVEN 672</td>
<td>Engineering and Urban Transportation</td>
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<td>CVEN 601</td>
<td>Statistical Analysis</td>
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<td>CVEN 632</td>
<td>Transportation System Management</td>
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<td>CVEN 618</td>
<td>Traffic Engineering - Operations</td>
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<td>CVEN 635</td>
<td>Street and Highway Design</td>
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<td>CVEN 691</td>
<td>Research</td>
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<td>PLAN 670</td>
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<td>PLAN 612</td>
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<td>PLAN 689</td>
<td>Transportation Studio and Lab**</td>
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<td>Minimum Hours Standard Degree</td>
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</table>

* CTP classes in italics

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*Note: Specific course sequences may vary given the focus area selected by the individual student. The above sequence represents the anticipated schedule for a student pursuing a Master of Science and Civil Engineering that is focusing on Multimodal Systems Planning.

**May be substituted for CVEN 691.
### PART III-G: Model Degree Plan for Master of Public Service and Administration *

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<th>Semester</th>
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<td>Fall Semester I</td>
<td>BUSH 601:</td>
<td>Leadership and Public Administration</td>
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<td>PSAA 621:</td>
<td>Economic Analysis</td>
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<td>BUSH 631:</td>
<td>Quantitative Methods in Public Mgmt I</td>
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<td>PSAA 611:</td>
<td>Public Policy Formation</td>
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<td>BUSH 632:</td>
<td>Quantitative Methods in Public Mgmt II</td>
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<td>PSAA 634:</td>
<td>Public Management</td>
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<td>PLAN 689:</td>
<td>Transportation Decision Making (New)</td>
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<td>Policy Analysis</td>
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<tr>
<td></td>
<td>PLAN 612:</td>
<td>Transportation in City Planning</td>
<td>3</td>
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<tr>
<td></td>
<td>Elective</td>
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<td><strong>12</strong></td>
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<td>Spring Semester II</td>
<td>PSAA 676:</td>
<td>Capstone II</td>
<td>3</td>
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<td>PLAN 689:</td>
<td>Transportation Studio and Lab</td>
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<td>Elective</td>
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<td><strong>12</strong></td>
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</tbody>
</table>

**Minimum Hours Standard Degree**

| Hours | 48 |

* CTP classes in *italics*

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* Note: Specific course sequences may vary given the focus area selected by the individual student. The above sequence represents the anticipated schedule for a student pursuing a Master of Public Service and Administration degree that is focusing on Transportation and Public Policy.
PART IV: Summary of Steps Required Obtaining the Certificate
Students are strongly encouraged to meet with a member of the CTP Council (in particular, the Certificate Coordinator) prior to filing an application and completing a degree plan.

Step One: Initial Application for the Certificate. At the time a degree plan is filed, the student will complete an Initial Application for the Certificate and attach to it a copy of the Degree Plan signed by the student’s Graduate Advisory Committee and the head of the student’s department. The CTP Council will review the Initial Application for compliance with the requirements for content. Initial Applications for the Certificate submitted after filing a degree plan can usually be expected to require a revision of the degree plan and may delay timely progress toward degree completion.

Step Two: Review of the Final Application. Master’s level students must provide the CTP Council with an abstract and any supporting justification as may be required to evaluate the topical relevance of transportation planning to their professional study, professional paper, or thesis, if such a product is required in their degree program. This information must be submitted after the manuscript has been approved by the student’s Graduate Advisory Committee. Doctoral students must provide the CTP Council with an abstract and any supporting justification as may be required to evaluate the topical relevance to transportation planning to their dissertation. This information must be submitted after the defense of the dissertation proposal. The CTP Council will review the Final Application for compliance with the requirements for content and forward its recommendation to the Graduate Programs Office.

Step Three: Issue of the Certificate. At the time the student is approved for receipt of a relevant graduate degree, the Graduate Programs Office in the College of Architecture (COA) will review the approved certificate courses and advise the Dean of the College of Architecture of successful completion. The Dean of the COA will then authorize the granting of the Certificate.
PART V: Policy for Maintaining Student Records

Official Graduate Transportation Planning Certificate Program records consist of the Application, a copy of the approved Degree Plan (and any subsequent Petitions that may impact the previously approved program), an Abstract of the final project topic, and any official correspondence. These records will be kept in the official student folders in the COA Graduate Programs Office. For reference purposes the COA Graduate Programs Office will create and maintain a database showing all students who have received, or are currently enrolled in the Certificate Program.

Name
Degree Program
Date of Application
Date of Actions For Each Step Above
Title of Project, Paper, Thesis, Or Dissertation
Name Of Chair Of Graduate Advisory Committee
Date Of Degree/Certificate Awarded
Permanent/Current Address/E-Mail
Employment Data

This database will be accessible by the Transportation Planning Program Office and the HRRC, which also maintains hardcopy files for developing data on the career histories, addresses, email address, etc. of certificate holders and current students. Student grades will not be available outside the COA Graduate Programs Office, and personal data will not be released, except in accordance with state law and university guidelines.
APPLICATION FOR ADMISSION TO THE
GRADUATE CERTIFICATE IN TRANSPORATION PLANNING PROGRAM

Submit this form to the Program Assistant of the Hazards Reduction and Recovery Center

Student Information:

Name: ___________________________ Student ID Number: ____________

Address: ____________________________________________________________

____________________________________________________________________

Phone(s): ___________________________ ___________________________ Email:

Date of application: ____________________

Degree Information:

Department: _________________________________________________________

Degree Program: (please circle)

Doctoral Degree
Ph.D. (ARCH) Ph.D. (URSC) Ph.D. (Other)

Master's Degree
M.Arch M.S(Arch) M.LA M.SCE M.U.P M.SLD M.PSA
M.A/MS (Other)

Expected Graduation Date: __________________

Approved (Faculty Use Only):

__________________________________________
Graduate Advisor

__________________________________________
Certificate Coordinator
STUDENT DEGREE PLAN FOR THE
GRADUATE CERTIFICATE IN TRANSPORTATION PLANNING

Submit this form to the Program Assistant of the Hazards Reduction and Recovery Center

Part A. List the courses you propose to meet the Transportation Planning Certificate requirements in the table below.

<table>
<thead>
<tr>
<th>Department Abbreviation</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
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</table>

____________________________________  ______________________
Signature of Student                  Date

Approval Recommended (Faculty Use Only):

____________________________________  ______________________
Certificate Coordinator                Date

<table>
<thead>
<tr>
<th>Graduate Programs Office</th>
<th>CTP Program Office</th>
<th>Student</th>
<th>Chair, Student's Graduate Advisory Committee</th>
</tr>
</thead>
</table>
PETITION TO GRADUATE AND FINAL PAPER PROPOSAL
GRADUATE CERTIFICATE IN TRANSPORTATION PLANNING PROGRAM

Submit this form to the Program Assistant of the Hazards Reduction and Recovery Center

Student Information:

Name: ___________________________ Student ID Number: ____________

Address: ________________________________ ________________________________

Phone(s): ____________________________ Email: ____________________________

Date of application: ______________________

Degree Information:

Department: ____________________________________________________________

Degree Program: (please circle)

Doctoral Degree
Ph.D. (ARCH) Ph.D. (URSC) Ph.D. (Other)

Master's Degree
M.ARCH MS(Arch) MLA MSCE MUP MSLD MPSA MA/MS (Other)

Scheduled Graduation Date: ______________________

Approved (Faculty Use Only):

__________________________ ____________________________
Graduate Advisor Certificate Coordinator

If a dissertation, final study, thesis, or professional report is required for your degree, attach a 1-page abstract to this form.
March 28, 2008

Forster Ndubisi, Ph.D., ASLA
Professor and Head
Department of Landscape Architecture
and Urban Planning
TAMU
MS 3137

Dear Dr. Ndubisi:

The Texas Transportation Institute is pleased to support your proposal to develop an interdisciplinary graduate Certificate in Transportation Planning. Although Texas A&M University currently offers instruction in transportation through its urban planning and civil engineering degree programs, there is a need for interdisciplinary instruction tailored to meeting the emerging needs of the transportation industry.

With courses offered in the colleges of architecture, engineering, and the Bush School of Government and Public Service, the Certificate in Transportation Planning program provides students with the substantive base of knowledge needed to be successful in the transportation planning profession. The three focus areas in the program, Multimodal Systems Planning, Transportation and Urban Design, and Transportation Planning and Public Policy, are three areas of expertise critical for the transportation professionals of tomorrow.

The Texas Transportation Institute fully supports the Certificate in Transportation Planning as an essential component in graduate-level education for students interested in transportation careers.

Very truly yours,

Dennis L. Christiansen, P.E.
Agency Director
March 28, 2008

Dr. Forster O. Ndubisi
Professor and Head
Department of Landscape Architecture
And Urban Planning
Texas A&M University
3137 TAMU
College Station, TX 77843-3137

Dear Dr. Ndubisi:

The University Transportation Center for Mobility (UTCM) is pleased to co-sponsor your graduate Certificate in Transportation Planning as part of our education program. As you know, UTCM has financially supported the development of the certificate for the past two years. There is an urgent need for interdisciplinary instruction in graduate-level transportation planning education. While Texas A&M University currently offers instruction in transportation through its Masters of Urban Planning and Civil Engineering programs, the emerging needs of the transportation industry will greatly benefit from an interdisciplinary approach to problem-solving.

The three focus areas of the certificate - Multimodal Systems Planning, Transportation and Urban Design, and Transportation Planning and Public Policy - are three areas of expertise critical for the transportation workforce of tomorrow. With courses offered in the colleges of architecture and engineering, and the George Bush School of Government and Public Service, the Certificate in Transportation Planning program provides students with the interdisciplinary, broad-based education necessary to be successful in the transportation planning profession.

UTCM will continue to support the development of the Certificate in Transportation Planning; it is critically important to meet the needs of the transportation workforce. I am available anytime to discuss the merits of this program if needed.

Warmest regards,

Melissa S. Tooley, Ph.D., P.E.
March 19, 2008

Dr. Forster Ndubisi, Department Head
Landscape Architecture and Urban Planning
A310 Langford Architecture Center
3137 TAMU
College Station, Texas 77843-3137

Dear Dr. Ndubisi:

The Zachry Department of Civil Engineering is pleased to support your proposal for developing an interdisciplinary graduate certificate in Transportation Planning. Texas A&M University (TAMU) currently offers instruction in transportation through its Masters of Urban Planning (MUP) and Civil Engineering (CE) programs; however, there is a need for specialized instruction tailored to meeting the emerging needs of the transportation planning industry.

The Certificate in Transportation Planning program fills this need by providing students with a substantive base of knowledge needed to be broadly successful in the transportation planning profession, as well as with specialized instruction tailored to building student skills and capabilities in three critical areas: Multimodal Systems Planning, Transportation and Urban Design, and Transportation Planning and Public Policy.

We are pleased to participate with you in this certificate program. It will be a valuable option for some of our students. Please contact us if you need additional information.

Sincerely,

David V. Rosowsky, Ph.D., P.E., F. ASCE
Department Head and
A.P. and Florence Wiley Chair Professor
February 8, 2008

Dr. Forster Ndubisi, Department Head
Landscape Architecture and Urban Planning
A310 Langford Architecture Center
3137 TAMU
College Station, Texas 7783-3137

Dear Dr Ndubisi:

I am pleased to support your proposal for developing an interdisciplinary graduate certificate in Transportation Planning. While the need for an interdisciplinary approach to transportation is widely recognized by the professional community, there is a sore lack of educational programs that address the field of transportation in a truly comprehensive, interdisciplinary manner. The transportation profession needs practitioners who can complement traditional areas of expertise with a broader, interdisciplinary perspective on how economics, public policy, finance, and urban design jointly influence the effectiveness of the transportation system. The proposed certificate can help to fill this important void, and is thus very timely. I am confident that it will prove valuable to Bush School students with strong interests in transportation – a small but growing segment of our student population.

I am pleased to participate with you in this certificate program. Please let me know if there is anything else I should do.

Sincerely,

Jeryl L. Mumpower
Professor and Director of the Master in Public Service and Administration Program