



University of Pittsburgh

Distance-Enabled

Graduate Transportation Engineering

SWANSON school of
engineering

Department of Civil and Environmental
Engineering

Mark J Magalotti, PE, Transportation Program Director
Janet L Littrell, EdD, Director of Distance Learning





Goal of the Program

- Provide working engineers with the opportunity to earn a master's degree while working full-time.
- Provide the opportunity for individuals outside the Pittsburgh area to earn a master's degree in transportation engineering from Pitt
- Meet industry workforce development needs in Planning, Design, and Operation of Transportation Systems
- Serve Government and Consulting Organizations



Three Focus Areas

- Transportation Design
- Transportation Planning and Traffic Engineering
- Transportation Operations





Program Requirements

(30 credits required for graduation)

Required courses (12 credits):

Focus Area	Course(s)
Planning (3 credits)	CEE 2720: Urban Transportation Planning (3)
Design (3 credits)	CEE 2714: Pavement Design (3) OR CEE 2730 Highway Engineering (3)
Operations (6 credits)	CEE 2700: Transportation Management and Operations (3) – Introductory course for all focus areas AND CEE 2710: Traffic Control Systems (3)



Program Requirements (continued)

Elective Courses (18 credits)

- **CEE 2750 -Transportation Project Development (highly recommended)**
- CEE 2347 - Bridge Engineering
- CEE 2711 - ITS Operations and Design
- CEE 2723 – Public Transportation Systems
- CEE 2105 - Advanced Civil Engineering Materials
- CEE 2715 - Pavement Rehabilitation
- CEE 2717 - Components, Properties and Design of Portland cement Concrete
- CEE 2718 - Advanced Construction & Bituminous Materials



Additional Program Electives

A banner for the Mascaro Center for Sustainable Innovation. It features a background of green and blue diagonal stripes. A green rectangular box on the left contains the text 'Mascaro Center for Sustainable Innovation' and 'home' below it.

Mascaro Center
for Sustainable Innovation

[home](#)

A banner for the Graduate School of Public and International Affairs (GSPIA). It has a light gray background with a subtle grid pattern. The text 'GSPIA' is in a large, dark blue serif font. To its right, the full name of the school is written in a smaller, dark blue sans-serif font.

GSPIA

University of Pittsburgh
Graduate School of Public
and International Affairs



Faculty (part 1 of 2)



Julie Vandebossche

Concrete material characterization, concrete pavement design and analysis, instrumentation



Keith Johnson

Long-range transportation planning, bicycle/pedestrian planning, and the toll and revenue forecasting for the Pennsylvania Turnpike Commission's Mon/Fayette Expressway and Southern Beltway Expansion Projects



Mark Magalotti

Transportation Planning & Traffic Control Systems



Faculty (part 2 of 2)



Ed Telega
Highway Engineering (adjunct Baker Engineering)

Jason Previte (Adjunct Gibson Thomas)

Daniel Cessna
Project Development and Implementation



Richard Feder
Transit Planning and Operations consultant and former
planning director for Port Authority of Allegheny County)



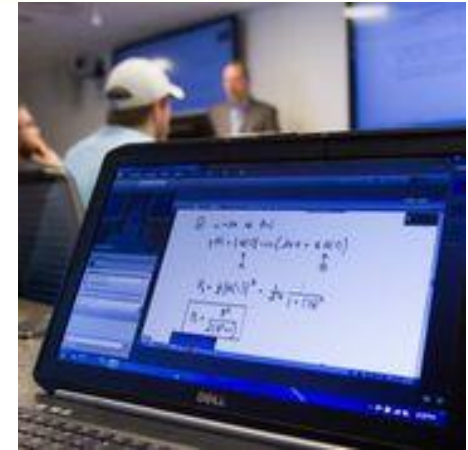


Plan for Program Completion

- First course: CEE 2700 (Fall)
- Three or Four courses offered every Fall and Spring
- Summer courses available as electives
- Capstone: CEE 2750 (Spring)
- Program can be completed in three years or less.



What is “Distance-Enabled Learning?”



- Combines the best elements of classroom-based instruction with the best elements of Web-based instruction.
- We emphasize the importance of live interaction and also “archive-ability” of courses.
- Students have three options: (1) sit in classroom, (2) “attend” class live over the Internet, and (3) view archived class later.



The Distance-Enabled Classroom

1. Technology built into every square inch.
 - Speakers
 - Microphones
 - “Smart” mats
 - Large TV monitors



Old way (traditional classroom)



2. Use of Adobe Connect
3. Student “producers” in every class for the entire duration of the class.

New way (distance-enabled)



CENTER FOR Instructional Development & Distance Education

TEACHING SUPPORT

EDUCATIONAL TECHNOLOGY

UNIVERSITY SERVICES

ABOUT

SEARCH CIDDE

SEARCH

CourseWeb >

Learn about the Blackboard course management system.



Popular Links

- [Adjunct Faculty Resources >](#)
- [Classroom Equipment Request >](#)
- [Classrooms >](#)
- [Courseweb Tip Sheets >](#)
- [Request Course Cross Listing >](#)
- [Teaching Times >](#)
- [Testing Center >](#)



Enhancing and Supporting Your Teaching

CIDDE can help you design (or rethink) courses, interact online with your students, add compelling graphics to your classroom presentations, prevent plagiarism... and more.

Home > CIDDE Academic Testing Services

CIDDE Academic Testing Services

CIDDE Academic Testing Services administers examinations to University of Pittsburgh students in a private, supervised testing facility. The Center oversees computer-based and paper-based examinations for distance education courses and make-up exams for on-campus courses. The Center is also available to assist with accommodations for Pitt students who require testing off-campus. CIDDE Testing Services also accommodates students from other institutions who need to complete an assessment in an academic, supervised testing center.

Please Note: On Wednesday, 11/21/12, the Testing Center will be closing at 5:00PM

Please select a particular category or FAQ for more information.

[University of Pittsburgh Faculty & Staff](#)

[University of Pittsburgh Students](#)

[Pitt Students Taking Exams Off-Campus](#)

CIDDE Academic Testing Services will assist students from the University of Pittsburgh with accommodations for off-campus testing.

Arranging for off-campus testing:

- **Testing requests for off-campus exams must first be approved by the instructor.**
- Once approved, follow these steps to secure a proctoring facility. Review the spreadsheet below that contains a list of pre-approved Testing Centers. The map below gives a geographic layout of the pre-approved locations. [Click here to access the Pre-Approved Testing Center locations.](#)



CIDDE Resources for Proctoring Exams



Qualifications for Applicants

- 1. Degree in engineering or in hard sciences (such as mathematics, physics, chemistry, computer science) or background equivalent to an undergraduate engineering degree in mathematics, physics, mechanics, and the courses basic to the program area of application.**
- 2. Undergraduate QPA equivalent to 3.00 for M.S.**
- 3. For international applicants, English language proficiency equivalent to a TOEFL score of 550 (213 computer-based; 80 iBT) or an IELTS of 6.5 score is required. The Swanson School of Engineering code is 2927. More information about the TOEFL <http://www.ets.org/toefl>**
- 4. All applicants are required to take the Graduate Record Examination (GRE) - General Test. This requirement is typically waived only for those students who are applying to be part-time or Professional Master's students.**



Process, Schedule for Applications and Cost

ADMISSIONS PROCESS

An application can be completed online, by downloading the application and submitting it via the US mail, or requesting an application package. We strongly prefer that you use the online application ssoeadm@pitt.edu for info

FINAL APPLICATION DEADLINES

March 1 - Fall

July 1 - Spring

February 1 – Summer

Graduate students enrolled for 1 to 8 credits are considered part time and pay \$1,054 per credit for in-state tuition.



Questions about Pitt's Graduate Program in Transportation Engineering?



UNIVERSITY OF PITTSBURGH

school of
engineering