

Graduation Requirements

The degree will be conferred on candidates who have fulfilled the following requirements:

1. Completed the curriculum for the Ph.D. in Transportation and Environmental Engineering, which entails:
 - Successful completion of 72 credits of course and dissertation work beyond the baccalaureate degree with a minimum grade of "B" in each course. Up to 30 credits of coursework from an approved master's degree program may be applied. Cross-listed courses are offered at the 4000/5000 and 4000/6000 levels. Students may not enroll in the 5000/6000 level courses if they have completed the corresponding 4000-level course;
 - Successful completion of any remedial course(s) determined by the departmental graduate programs committee and/or the dissertation supervisory committee.
 - Maintain a minimum 3.0 GPA in all coursework attempted for the degree. Failure to maintain a minimum GPA of 3.0 may result in creating an Academic Progression Plan (APP) for the student.

Core Courses - two courses for 6 credits

Course Title	Course Number	Credits
Advanced Research	CGN 7978	3 and
Sustainability and Pollution Prevention	ENV 6932	3 or
Advanced Structural Analysis	CES 6106	3 or
Transportation System Analysis	TTE 6501	3
Graduate Seminar (CGN 5937) - two semesters		

Technical Electives - three courses for 9 credits

Select three courses at the 5000 or 6000 level from the Department of Civil, Environmental and Geomatics Engineering. The courses must be approved by the dissertation advisor.

Other Electives - two courses for 6 credits

Select two courses at the 5000, 6000 or 7000 level from the College of Engineering and Computer Science or other FAU colleges. No more than 3 credits of Directed Independent Study (DIS). The courses must be approved by the dissertation advisor.

Dissertation (CGN 7980) - 21 credits (minimum) for students entering with a master's degree

Up to 3 credits of graduate internship (EGN 5940) may be used to satisfy the 21-credit dissertation minimum requirement, with approval of the dissertation advisor.

2. Successful completion of a qualifying exam is required;
3. Successful completion of a dissertation proposal defense is required;
4. Prior to the dissertation defense, the student is required to have published or have accepted for publication ~~a~~ at least one refereed research paper in a field of study deemed acceptable by the dissertation committee. ~~A journal article is preferred, but a peer-reviewed conference paper is also acceptable;~~
5. Successful completion of an oral defense of the written doctoral dissertation based on original research in the student's area of specialization. The Dissertation/Supervisory Committee, the Department Chair and the Graduate College must have approved the dissertation and oral defense;
6. Complied with the University's Graduate Policies and Regulations and satisfied the University's Graduate Degree Requirements.