

Transdisciplinary Transportation Studies (Graduate Certificate)

GCTRANSCE

ASU faculty are [advancing transportation research](#) in critical areas, and they will guide you as you [learn to analyze transportation](#) in relation to numerous other aspects central to modern life.

Program description

Degree awarded: Certificate Transdisciplinary Transportation Studies (certificate)

Transportation has emerged as one of the highest priority issues for policymakers, planners, employers and citizens.

To respond to this challenge, the transdisciplinary transportation studies certificate program builds upon existing ASU programs in a variety of disciplines offered in five colleges and two campuses, giving ASU graduate students and current and future transportation professionals the opportunity to pursue a wide range of transportation-related issues from a multimodal, interdisciplinary perspective.

Students collaborate with researchers and professionals across academic disciplines (these include policy, planning, economics, technology, behavior, location, land use, equity and sustainability) who employ different research methods and are focused on transport modes that range from walking to air travel.

The program is intended to be either a specialization within an existing master's degree or a stand-alone nondegree program.

ASU is a transdisciplinary hub for innovative and integrative transportation research and education. This work contributes to the development of smart, sustainable and socially equitable transportation systems. These systems leverage technology to foster resilient communities and high quality of life, locally and globally.

At a glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** [Tempe](#)

Degree requirements

16 credit hours including the required applied project course (PUP 593)

Required Core (3 credit hours)

PUP 564 Transportation Systems Professional Seminar (3)

Transportation Electives (9 credit hours)

Other Requirement (1 credit hour)

CEE 591 Interdisciplinary Transportation Seminar (1)

Culminating Experience (3 credit hours)

PUP 593 Applied Project (3)

Additional Curriculum Information

Students take three credit hours from each category for a total of nine credit hours to fulfill the transportation elective requirement.

- from any school in The College of Liberal Arts and Sciences
- from a college outside of The College of Liberal Arts and Sciences
- from subject prefixes CEE, GIS, GPH, PAF, PUP, SOS

Elective coursework is taken in consultation with the academic advisor.

Admission requirements

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

1. graduate admission application and application fee

2. official transcripts
3. letter of interest
4. resume
5. proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of [English proficiency](#) regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants who wish to seek a graduate degree in any of the cooperating departments and who are not currently enrolled at ASU must complete the full graduate school application process as specified by the department of interest in addition to the online application for the transdisciplinary transportation studies certificate. The applications are evaluated independent of each other.

Applicants are asked to explain in their letter of interest what they expect to gain from the transportation studies certificate program and the types of courses in the program that would be the most helpful in meeting their objective.

Tuition information

When it comes to paying for higher education, everyone's situation is different. Students can learn about [ASU tuition and financial aid](#) options to find out which will work best for them.

Career opportunities

Professionals with expertise in transportation systems are in high demand across sectors and industries, including consulting firms, government agencies and community organizations. Skills in the analysis of transportation alternatives and interrelationships with other disciplines are valuable to businesses and institutions relying on an integrated systems approach to solving complex real-world problems.

Career examples include:

- airfield operations specialist
- logistics analyst
- supply chain manager
- transportation analyst
- transportation engineer
- transportation planner

Contact information

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