



The Ph.D. in Construction Science program at Texas A&M uses scientific methods, emerging technologies, and advanced management theories to address complex construction problems. Your discoveries can improve the safety, productivity, and efficiency of the construction industry.

You'll develop expertise in the research process and its application to construction, project management, and sustainability issues that occur throughout the life cycle of construction projects. Using creativity and rigorous quantitative and qualitative methodologies, you'll conduct high-impact, transformative research that will benefit the construction industry and ultimately human civilization.

ABOUT THE PROGRAM

Our Ph.D. in Construction Science is the first program of its kind in the state of Texas and one of the largest in the country, with the most diverse range of research topics available. Approximately 6–8 students are admitted per year.

Our program prepares interdisciplinary scientists ready to solve complex construction problems. Through high-impact research, our program creates new knowledge to advance the industry.

CAREERS

Our Ph.D. program meets the growing demand for doctoral-level construction professionals in industry and academia. Our graduates are poised to become:

- **construction scientists** who carry out effective research in science and technology
- **project managers** with advanced business skills needed to be practical leaders in construction and related industries
- **construction educators** with interdisciplinary knowledge prepared to educate the constructors of tomorrow

CONCENTRATION AREAS

- Construction management
- Smart construction
- Sustainability in construction

CURRICULUM

The Ph.D. requires 60 credit hours for a M.S. degree holder. Students entering the Ph.D. program with only a baccalaureate degree will take an additional 30 hours of coursework.

- 14 credits of fundamental courses
- 6 credits of research methods courses
- 9 credits of courses in a concentration area
- 9 credits of free electives that support the student's research activities (18 credits for students entering with a baccalaureate degree)
- 18+ credits in variable research courses while working on your dissertation
- Up to 3 credits for an industry internship

Students will be allowed to transfer up to 12 credit hours from other institutions. A maximum of nine undergraduate credit hours from 300 and 400 level courses may be allowed to count toward the coursework requirements with the approval of your Ph.D. committee.

INNOVATIONS IN CONSTRUCTION

Our department's diverse research portfolio tackles real-world problems through convergent research and scholarly activity. Our work is at the intersection of the built environment, enabling technologies and stakeholder needs.