Pavement Analysis and Design — Graduate Certificate

The overall objective of the program is to provide interdisciplinary graduate-level education for those seeking advanced professional knowledge and skills in Pavement Analysis and Design, who do not wish to gain a graduate degree at this point.

Auburn's pavement and materials program is focused on making transportation networks sustainable. Our graduates make a positive impact locally, regionally, and globally. Students can take advantage of research studies conducted at Auburn University such as projects about increasing the use of recycled materials, reducing greenhouse gas emissions, and extending the life of pavements to minimize reconstruction work.

This Graduate Certificate Program is built on top of the successful Engineering Online Program within the Samuel Ginn College of Engineering, which was ranked highly in U.S. News and World Reports for Best Online Engineering Programs. It is an on-campus equivalent educational program that combines traditional instruction with modern delivery methods to offer graduate degrees beyond Auburn’s campus.

The program is structured to advance the working engineer’s knowledge and skills in the rapidly changing field of pavement analysis and design. Engineers in the pavement analysis and design area are responsible for roadway design, construction, maintenance, and rehabilitation of pavements. Pavements – a primary component of transportation infrastructure – are engineered with a strong understanding of materials behavior, mechanistic principles, and construction details.

At a Glance

- The program requires students to take four related graduate courses (12 credit hours).
- Students attending courses online have the same professors as their on-campus peers.
- Students can access lectures online through a live feed or at their convenience via streaming video.
- The online schedule allows for flexibility to maintain a career while completing the program.

Faculty

Pavement analysis and design courses are taught by Auburn’s outstanding civil engineering faculty and research professors from the National Center for Asphalt Technology (NCAT).