Civil Engineering

Civil engineers conceive, plan, design, construct, operate, and maintain the facilities and systems that serve the basic needs of society. The Auburn University Department of Civil Engineering prepares students, through high quality programs, to practice civil engineering professionally in a competitive global environment. Educational objectives include preparing graduates to

- function as effective team members in the evaluation, planning and design, construction, or operation and maintenance of civil infrastructure systems,
- expand their body of knowledge, mature professionally, and progress toward licensure as professional engineers,
- assume leadership roles in the workplace,
- contribute to their profession and communities, and
- earn graduate or professional degrees if they elect to pursue additional formal education.

The first two years of the undergraduate program focus on basic principles, which are applied in the last two years in required and elective courses in major specialty areas including construction, geotechnical, transportation, hydraulics, structural, pavements, and environmental engineering. Engineering science and design are integrated throughout, with the design emphasis shifting from introduction of fundamental concepts, principles and tools in the early courses to increasingly realistic situations. The experience culminates in the capstone senior design project. Graduates are prepared for a variety of entry-level civil engineering positions.

Major

- Civil Engineering (http://bulletin.auburn.edu/undergraduate/samuelginncollegeofengineering/departmentofcivilengineering/civilengineering_major)