STUDENT ACTIVITIES

There are professional organizations available for CE students.

These organizations benefit the students through networking, and by attending workshops and conferences, and national competitions. Pictured below is a Civil Engineering Alumnus, Claudinette Purifoy, who was awarded Distinguished Engineer of the Year, and is employed by the U.S. Army, Corps of Engineers.

Distinguished Engineer of the Year
Claudinette Purifoy
Alabama A&M's Civil Engineering Alumnus
Society of Women Engineers

FACULTY

Anil Acharya, Assistant Professor, Ph.D. (University of Nevada, Las Vegas)
Nesar U. Ahmed, Professor, Ph.D. (Vanderbilt University), P.E.
Sudip Bhattacharjee, Associate Professor, Ph.D. (Worcester Polytechnic Institute)
Goang-Shin Liaw, Professor, Ph.D. (University of Alabama in Huntsville)
Pabitra K. Saha, Professor and Coordinator, Ph.D. (University of Illinois), P.E.

OVERVIEW

Civil Engineering is the oldest of the traditional engineering professions. It is devoted to the improvement of the human environment for the purposes of making our activities productive, safe, and enjoyable, while providing aesthetically pleasing surroundings. The civil engineer plans, designs, constructs, and maintains physical works and facilities that are deemed essential to modern life. Civil Engineering includes the broad categories of construction, structural engineering, soil mechanics and foundations, transportation systems, water resources, hydraulic engineering, environmental engineering, surveying and mapping, city planning and municipal engineering.

Alabama A&M University’s Civil Engineering Program provides a general academic background while allowing a student to concentrate on a specialized area by selecting one technical elective. The Department offers a major leading to the Bachelor of Science in Civil Engineering, and provides basic and advanced elective courses in all of the following areas:

- Structural Analysis and Design
- Geotechnical Engineering
- Environmental Engineering and Water Resources
- Transportation Engineering

Sydney, Australia – Opera House and Sydney Harbour Bridge
MISSION STATEMENT

The Program is committed to preparing its students for immediate entry into the engineering profession, as well as, graduate programs of study. The Program is also committed to research in order to place its faculty and students at the forefront of development in the profession of civil engineering at the state and national levels. The latest advances are brought into the classroom through continued research, thereby positioning the students on the cutting-edge of the profession.

The program reflects the university scope and mission by offering opportunities to students, with previous limited access to education, the training needed to make professional contributions to the civil engineering enterprise.

EDUCATIONAL OBJECTIVES

The objective of the Civil Engineering program is to produce graduates who, after the first few years of their graduation, have:

(1) Successfully practiced civil engineering in industry and/or government,

(2) Continued to pursue lifelong learning through professional development or completion of advanced studies (graduate degree, short courses etc.), and

(3) Recognized the need for scholarship, leadership, and services to society.

FACULTY & FACILITIES

The Program’s faculty members have a broad range of experience in the academic and industrial environment. Each faculty has significant involvement in research or consultancy activities. In the past, the Department was actively engaged in many research projects sponsored by NASA, Army, Air Force, AMCOM, FHWA, ORNL, ALDOT and other agencies.

Also, the Program is housed in a modern Engineering Building and is continuously improving its laboratory facilities, equipment, and other modern engineering tools that civil engineering students and faculty are expected to utilize in order to meet the requirements of the program.

Currently, the Program provides the following laboratories for teaching/research purposes:

- CAD/Microcomputer
- Surveying
- Soils Mechanics and Environmental
- Concrete
- Structures
- Transportation/Material Testing
- Hydraulics

All of the above laboratories provide undergraduate students an excellent opportunity to obtain a comprehensive learning experience in civil engineering. Also, the average student to faculty ratio is 10:1.

CAREER OPPORTUNITIES

What jobs are available for the civil engineering graduates? Many professional careers in construction, transportation, structural, environmental, municipal, industrial and consulting engineering, as well as, architecture, engineering management, and the military services are diversified job opportunities awaiting civil engineering graduates.

FINANCIAL AID AVAILABLE

Financial aid is available through scholarships, assistantships, and campus jobs, funded through federal, state, industrial endowment and research projects.