Mission Statement

The mission of the Civil and Environmental Engineering Department at Mississippi State University is to provide students in the civil engineering program with the knowledge and skills needed to enter professional practice, or continue their studies at the graduate level, and develop a sense of personal responsibility to the needs of society and the profession.

Program Educational Objectives

Graduates of the civil engineering program should, within the a few years after graduation:

1. Demonstrate a broad knowledge of the principles and fundamentals of civil engineering and their applications through their successful practice as professional civil engineers, their pursuit of graduate or professional degrees, or their engagement in other professional careers that involve the application of the engineering method.

2. Achieve success in the multidisciplinary environment of the 21st century and demonstrate their ability to adapt to emerging and evolving technologies, social conditions, professional standards, and career opportunities by attaining leadership, managerial, administrative, supervisory, or other positions of responsibility.

3. Demonstrate an understanding and appreciation of the ethical, societal and professional responsibilities of a civil engineer through professional registration and active membership in professional organizations.

4. Demonstrate an appreciation for lifelong learning and for the value of continuing professional development in maintaining their professional competence through participation in graduate and continuing education activities.

Program Outcomes

During the course of study in civil engineering, the student should:

1. Demonstrate a strong foundation in the fundamentals of mathematics, basic sciences and engineering sciences;

2. Demonstrate basic analytical and problem-solving skills, and proficiency in the use of techniques and tools that implement these skills;

3. Demonstrate proficiency in oral and written communications;

4. Demonstrate an appreciation for contemporary societal issues, professional ethics, and personal integrity and responsibility;

5. Contribute to and effectively function in team undertakings, in leadership as well as non-leadership positions; and

6. Demonstrate independent study skills required for lifelong learning.