

PRE-ENGINEERING AT ALCORN STATE UNIVERSITY

The **Pre-Engineering** program at Alcorn State University is designed to fulfill the freshman and sophomore year requirements for a Bachelor of Science degree in Engineering. This program is offered jointly by Alcorn State University and other universities having fully accredited engineering programs.

PROGRAM INFORMATION

Designed for students who did not complete engineering prep courses in high school, this program leads to a Bachelor of Science degree in Engineering at cooperating institutions. It prepares students to enter their junior year at institutions that offer a Bachelor of Science degree in the following majors:

- **Aerospace Engineering**
- **Agricultural Engineering**
- **Chemical Engineering**
- **Computer Engineering**
- **Electrical Engineering**
- **Engineering Technology**
- **General Engineering**
- **Industrial Engineering**
- **Materials Engineering**
- **Mechanical Engineering**

FACULTY

Dr. Kwabena Agyepong
Chairperson, Associate Professor
Computer Networking & Information Technology
kwabena@alcorn.edu

Dr. Sam Aceil
Professor
Robotics & Automation Technology
saceil@alcorn.edu

Dr. John Adjaye
Assistant Professor
Robotics & Automation Technology
adjaye@alcorn.edu

Dr. Steve Adzanu, Program Leader
Associate Professor
Robotics & Automation Technology
adzanu@alcorn.edu

Dr. Jyotirmay Gadewadikar
Assistant Professor
Robotics & Automation Technology
jyo@alcorn.edu

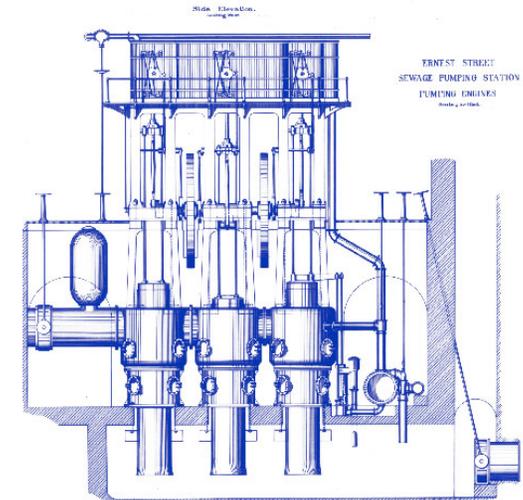
Ms. Mamie Griffin
Instructor
Robotics & Automation Technology
mgri468135@aol.com

Dr. Ognjen Kuljaca
Assistant Professor
Robotics & Automation Technology
okuljaca@alcorn.edu

Dr. Erol Sarigul
Assistant Professor
Robotics & Automation Technology
esarigul@email.com

ALCORN STATE UNIVERSITY

DEPARTMENT OF ADVANCED TECHNOLOGIES



PRE-ENGINEERING PROGRAM

1000 ASU DRIVE #360
ALCORN STATE, MS 39096-7500
PHONE (601) 877-6482
FAX (601) 877-3941

www.adtech.alcorn.edu

ANOTHER PATH TO ENGINEERING

The Department of Advanced Technologies offers a comprehensive **Pre-Engineering** program that offers students the opportunity to complete their first two years of an engineering curriculum at Alcorn State University and upon transfer, complete an engineering degree at Mississippi State University or another accredited institution during their last years.

Students who are admitted to Alcorn to pursue the Pre-Engineering Transfer Program are not additionally automatically admitted to any college of engineering. To continue on to a college of engineering, an application must be made as a transfer student to the chosen engineering college where all usual transfer requirements must be met.

Students who choose not to transfer may continue their studies and complete a Bachelor of Science degree in one of the following programs: Robotics and Automation Technology, Computer Networking and Information Technology, or Applied Sciences (i.e. Electro-Mechanical Engineering/Systems Science, Geographic Information Sciences and Technology, Computer Engineering/Systems Science).

ENGINEERING COURSE OFFERINGS

The department's **Pre-Engineering** curriculum emphasizes chemistry, math, physics, and computer studies. Students enjoy small classes taught by knowledgeable educators.

Courses offered include:

- **General Engineering**
- **Computer Application for Engineering**
- **Engineering Computer Lab**
- **Problems in Engineering**
- **Technology and Engineering Analysis**
- **Engineering Statistics**



Upon completion of the course work listed, students will transfer to an engineering degree granting institution and choose an engineering discipline as a major. Students should expect to complete their degrees in five academic years.

CAREER AND MAJOR INFORMATION

Engineers apply mathematical theories and scientific principles to refine and develop materials, processes, and services. They design products, machinery to build those products, plants in which those products are made, and systems that ensure the quality of the products and the efficiency of the workforce and manufacturing process.

CAREER OPPORTUNITIES

Career opportunities for graduates include:

Aerospace Engineers create extraordinary machines, from airplanes to spacecraft.

Civil Engineers design and supervise the construction of roads, buildings, airports, tunnels, dams, bridges, and water supply and sewer systems.

Chemical Engineers design equipment and processes for large-scale chemical manufacturing, plan and test methods of manufacturing products and treating byproducts, and supervised production.

FOR MORE INFORMATION ▼

Visit adtech.alcorn.edu to learn more about the Department of Advanced Technologies.