

MAJORS

BACHELOR OF SCIENCE

- Computer Networking & Information Technology
- Robotics & Automation Technology
- Applied Science
 - Geospatial Information Science & Technology
 - Electro-Mechanical Engineering Technology/Systems Science
 - Computer Engineering/Systems Science
 - Health Physics
- Radiation Technology
- Pre-Engineering

MASTER OF SCIENCE

- Workforce Education Leadership

HIGHLIGHTS

- Computer Networking & Information Technology is now offered on both the Lorman and Vicksburg campuses.
- Robotic & Automation student awarded a research internship at NASA Ames Research Center in San Jose, California.
- Waterways Experiment Station GIS Internships/Research Projects.
- Computer Networking w/Robotics student technology project at Nissan.
- First prize for Advanced Technologies students in Design and Implementation of a Wireless Accessible Network of Industrial Robots

FACULTY

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

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

Dr. David Addae, Program Director
Professor/Head Teacher of Education
Robotics & Automation Technology
addaed@alcorn.edu

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

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

Ms. Mamie Griffin, Program Director
Instructor
Robotics & Automation
Mgri468135@aol.com

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

Dr. Yaw Twumasi, Program Director
Assistant Professor
GIS&T
yaw@alcorn.edu

Dr. Yufeng Zheng, Program Director
Assistant Professor
Computer Networking & Information Technology
yzheng@alcorn.edu

ALCORN STATE UNIVERSITY

DEPARTMENT OF ADVANCED TECHNOLOGIES



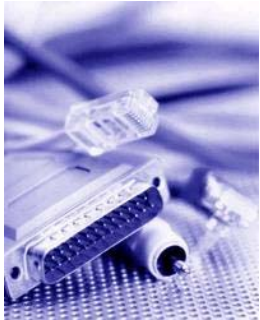
1000 ASU DRIVE #360
ALCORN STATE, MS 39096-7500
PHONE (601) 877-6482
FAX (601) 877-3941

www.adtech.alcorn.edu

PREPARING FUTURE TECHNOLOGISTS TODAY

The Department of Advanced Technologies offers a Bachelor of Science degree in Advanced Technologies with programs in Computer Networking & Information Technology, Robotics & Automation Technology, Applied Sciences, Pre-Engineering (transfer program), and Radiation Technology. The various curricula include courses in applied sciences, mathematics, manufacturing, automation, industrial robots, computer networking, information technology, engineering geographic information systems (GIS), and remote sensing. The department also offers a Master of Science degree in Workforce Leadership.

COMPUTER NETWORKING & INFORMATION TECHNOLOGY



The **Computer Networking & Information Technology** program is designed to place graduates into positions as networking and application development experts. Graduates

of the program are encouraged to consider graduate school as a career development path preferably while working in their area of study.

ROBOTICS & AUTOMATION

The **Robotics & Automation** program is designed to place program graduates into positions as managers of technology in industry and government. The program prepares students to be technical managers

so they can move through a lifelong career prepared to change technical occupations as needed. This program is certified by the National Association of Industrial Technology (NAIT) and is also structured after ABET guidelines.



APPLIED SCIENCES

The **Applied Sciences** curriculum currently has four majors:

- Geographical Information Science & Technology (GIS)
- Electro-Mechanical Engineering Technology
- Computer Engineering
- Health Physics

GIST is a multi-disciplinary program with restricted electives in:

- Agriculture
- Computer Science
- Biology & Health Science
- Health Science
- Business
- Criminal Justice
- Sociology & Social Work



PRE-ENGINEERING

The **Pre-Engineering** program is designed to prepare students for study in accredited engineering programs. This program allows students to transfer to an Engineering degree granting institution and continue with their study in the use of computers, software, and general engineering technology in state-of-the-art labs.



RADIATION TECHNOLOGY

The Radiation Technology program prepares its graduates with credentials to be employable as Health Physicist in nuclear power plants and other establishments that deal with ionizing radiations. Graduates are also employable as nuclear medicine technologist, diagnostic radiography technologist, radiation therapy technologist in Oncology departments, and in the use of ultrasound for medical diagnostics in health and medical establishments.

WORKFORCE LEADERSHIP

The Masters of Science degree is offered in **Workforce Education Leadership** through a joint degree program with Alcorn State's land-grant partner, Mississippi State University. In addition, trade, industrial, and teachers may complete a course of study through distance learning leading to teacher certifications.

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