



Alcorn®

SCHOOL OF AGRICULTURE, RESEARCH,
EXTENSION & APPLIED SCIENCES

DEPARTMENT OF ADVANCED TECHNOLOGIES

What is the study of Advanced Technologies?

Advanced technologies is a spectrum of engineering, technology, and applied science fields under one umbrella. Its broad approach brings together a range of engineering and applied science disciplines, allowing one to develop innovative and unexpected solutions to new problems without being confined to a single area of Science, Technology, Engineering and Mathematics (STEM).

The Department of Advanced Technologies offers Bachelor of Science degrees in Computer Networking, Robotics and Automation, and Applied Science (with various concentrations), and Master of Science degrees in Workforce Education Leadership (WEL), and Applied Science and Technology (with various concentrations).

Faculty

Dr. Jermiah Billa

*Interim Chair, Department of Advanced Technologies
and Assistant Professor*

billa@alcorn.edu or 601.877.6484

Research interests: Nuclear instrumentation, environmental radioactivity and dosimetry

Dr. Sam Aceil

Professor

aceil@alcorn.edu or 601.877.2343

Research interests: Parametric sensitivity analysis of nuclear engineering safety systems, computer simulation of a variety of engineering problem including CFD, thermal-hydraulics, neutronics, etc., radiation effect simulation using Monte Carlo code

Dr. David Addae

Professor and Head Teacher Educator

addaed@alcorn.edu or 601.877.6493

Research interests: Economic and community development

Dr. John Adjaye

Associate Professor

adjaye@alcorn.edu or 601.877.6492

Research interests: Electronic devices, circuits, sensors & actuators, radio frequency (RF) and microwave electronics

Dr. Steve Adzanu

Associate Professor

adzanu@alcorn.edu or 601.877.2346

Research interests: Power system reliability, energy management, environmental radiation monitoring and nuclear instrumentation measurements

Dr. Kwabena Agyepong

Associate Professor

kwabena@alcorn.edu or 601.877.6489

Research interests: Image processing, pattern recognition, optimization

Dr. Masoud M. Beitollahi

Adjunct, Professor

masoud@alcorn.edu or 801.587.7971

Research interests: Radiological monitoring of environment (terrestrial and marine), high levels natural radiation areas (HLNRAs), NORMS and TENORMs, radiological monitoring of mines with emphasis on radon

Mrs. Mrunalini Gadewadikar

Adjunct Instructor

lini@alcorn.edu or 601.877.6482

Research interests: Business development, biomedical engineering and health care

Dr. Mamie Griffin *Adjunct, Assistant*

Professor mgriffin@alcorn.edu or
601.448.0152

Research interests: Employability skills, workforce development, STEM advancement, teaching and learning

John Jones

Adjunct, Instructor

johnjones@alcorn.edu or 601.877.6482

Research interests: Cloud computing, server infrastructure, operating systems, databases and programming

Dr. Sam Nwaneri

Assistant Professor

snwaneri@alcorn.edu or 601.877.6669

Research interests: Geoscience application to natural resource development, agriculture and climate change

Dr. Erol Sarigul

Associate Professor

esarigul@alcorn.edu or 601.877.2484

Research interests: Computer vision and image processing, industrial automation and robotics, internet of things

Dr. Angel Skinner

Assistant Professor

askinner@alcorn.edu or 601.877.2345

Research interests: Community colleges, blackboard, rural colleges, canvas learning

Dr. Yufeng Zheng

Associate Professor

yzheng@alcorn.edu or 601.877.6490

Research interests: Image processing and pattern recognition such as image fusion, face recognition and cancer detection

School of Agriculture and Applied Sciences

1000 ASU Drive #690 • Lorman, MS • 39096-7500 • Phone: 601.877.2306 • Fax 601.877.6219 • alcorn.edu/landgrant

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