Math and Computer Science Department at Alcorn State University, Mississippi

Our department currently offers three undergraduate programs and two graduate programs:

- B.S. in **Computer Science**
- B.S. in **Mathematics or Math with Data Science Concentration**
- B.S. in **Math Education for Secondary Teacher (Math Education)**
- M.S. in **Computer and Information Science (CIS)**
- M.S. in **Secondary Education with Endorsement in Mathematics joint with the Department of Education**

Math and Computer Science Department at Alcorn State University

- **Faculty Information**:
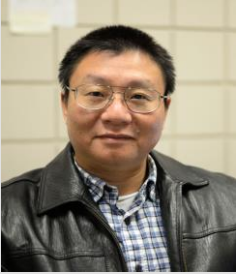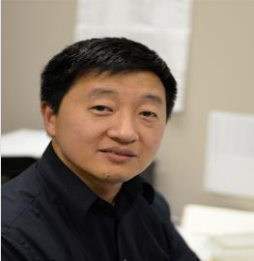 - Eight Professors and Instructors.
- **Facility**:
  - 4 Teaching Laboratories
  - 1 University Math Center
- **Scholarship:**

  University/School/Department offer scholarship and teaching assistantship for undergraduate students/graduate students

Faculty Information

Contact Person	Profile Picture	Contact Person:	Profile Picture
Chairperson and Professor of Computer Science Dr. Ping Zhang Email: pzhang@alcorn.edu Phone: 601-877-6431		**Coordinator of University Mathematics and Computer Center** Mr. Kevin Robinson Email: kevinr@mail.alcorn.edu Phone: 601-877-6692	
Department Administrative Assistant Ms. Patrics Savoy Email: patrics@alcorn.edu, Phone: 601-877-6430		**Instructor of Computer Science** Mr. Stephen Love, Email: slove@alcorn.edu Phone: 601-877-3983	
Professor of Computer Science Dr. Lixin Yu Email: lixin@alcorn.edu Phone: 601-877-6431		**Instructor of Computer Science** Mr. Ramkrishna Dileep Kotagiri Email: rkotagiri@alcorn.edu Phone: 601-877-3985	

Faculty Information

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Professor of Mathematics Dr. Tapan Tiwari Email: tapan@alcorn.edu Phone: 601-877-6609		**Instructor of Mathematics** Ms. Tamaria Tinsley Email: ttinsley@alcorn.edu Phone: 601-877-3938	
Assistant Professor Mathematics Dr. Ramesh Maddali Email: rmaddali@alcorn.edu Phone: 601-877-6434		**Adjunct Assistant Professor of Mathematics** Ms. Marchetta Atkins Email: gaines@alcorn.edu Phone: 601-877-3939	
Assistant Professor Mathematics Ms. Elizabeth Udemgba Email: eudemgba@alcorn.edu Phone: 601-877-6434		**Adjunct Instructor of Mathematics** Mr. Elvis Robinson Email: erobinson@alcorn.edu Phone: 601-877-3982	

Faculty Research Areas in the Department

- Artificial Intelligence/Deep Learning

- Cybersecurity

- Data Mining

- Pattern Recognition and Computer Vision

- Programming Languages/ Algorithm Analysis

Research Projects in the Department:

- Enhance Cybersecurity with User Interaction Biometrics, National Security Agency through University of Louisville

- An Automatic System for Bruise Detection on Tomatoes and Apples Using 3-D Near Infrared Imaging Technology, USDA/NIFA

- Data Mining and Machine Learning, Funded by the University of Mississippi with support from the William and Flora Hewlett Foundation

- Artificial Intelligence Application to Biological Sciences Curriculum Development, DHHS/USA-MS INBRE

- Data Science & Its Application in Biological Sciences, DHHS/USA-MS INBRE

- NSF HBCU-UP Targeted Infusion proposal: Infusing evidence-based instructional practices into the STEM curriculum at Alcorn State University, Co-PI

- Be Brave, Teach STEM: Building a Diverse Teacher STEM Workforce in Mississippi; National Science Foundation (NSF) funded $1.1 Million, Co-PI

Submitted Research Proposals:

- An Artificial Intelligence Enabled Follicle Monitoring System Using 4-D Ultrasound Imaging for Cattle Reproduction, USDA/NIFA, 2023, PI

Scholarship Opportunities for Students

- Academic Scholarships from Alcorn State University:

  - Presidential Excellence Scholarship

  - Provost Scholar Scholarship

  - University Scholar Scholarship

  - The Mississippi Community College Transfer Graduate Scholarship

  - Legacy Scholarship

- Other Scholarships especially for the students in the Math and CS Department
  - NASA Scholarship
  - C-Spire Scholarship
  - HBCU-M Tuition Scholarship
  - Teaching Assistantship at the University Math Center
  - Research Assistantship

What kind of Careers in Math And Computer Science?

- These are the jobs currently being offered in Mississippi and U.S.:
  - **Data Analyst**
  - **Java Developer**
  - **Software Engineer**
  - **Business Intelligence Developer**
  - **Web Application Programmer**
  - **Machine Learning Engineer**
  - **Data Scientist**
  - **Data Architect**
  - **Network Engineer**
  - **Application Analyst**
  - **School Teacher …**

What are the employments for our graduates

- Our **graduating seniors at ASU of 2020-2021** are currently employed as:
  - Software Engineer at **Goldman Sachs**: 2 graduating seniors
  - Software Engineer at **Microsoft**: 2 graduating seniors
  - Data Science Graduate Program at **Columbia University**: 1 graduating senior
  - Software Engineer at **Apple**: 3 graduating seniors
  - Software Engineer at **Uber**: 3 graduating seniors
  - Software Engineer at **Morgan Stanly**, New York: 1 graduate student
  - Enrolled graduate program (Master Program): 5 graduating seniors
  - Software Engineer at **Booz Allen Hamilton**
  - Software Engineer at **Macy's**
  - Quality Engineer at **NSK Steering Systems**
  - **In recent years, one undergraduate senior, two graduates employed at ERDC**

Internships

- Junior and senior students are encouraged to apply for internship.
- Here is the list of internship companies for 2021 summer from Math and Computer Science Department at Alcorn State university:

  - **Amazon**
  - **Goldman Sachs**
  - **Microsoft**
  - **Anchor MG Management Consultants, Inc.**
  - **Pacific Investment Management Company**
  - **Deloitte Services LP**
  - **Morgan Stanley**
  - **Facebook**
  - **Prudential Financial**
  - **Dell**
  - **Adobe**
  - **Pearson Publisher Company**
  - **Avid Systems**