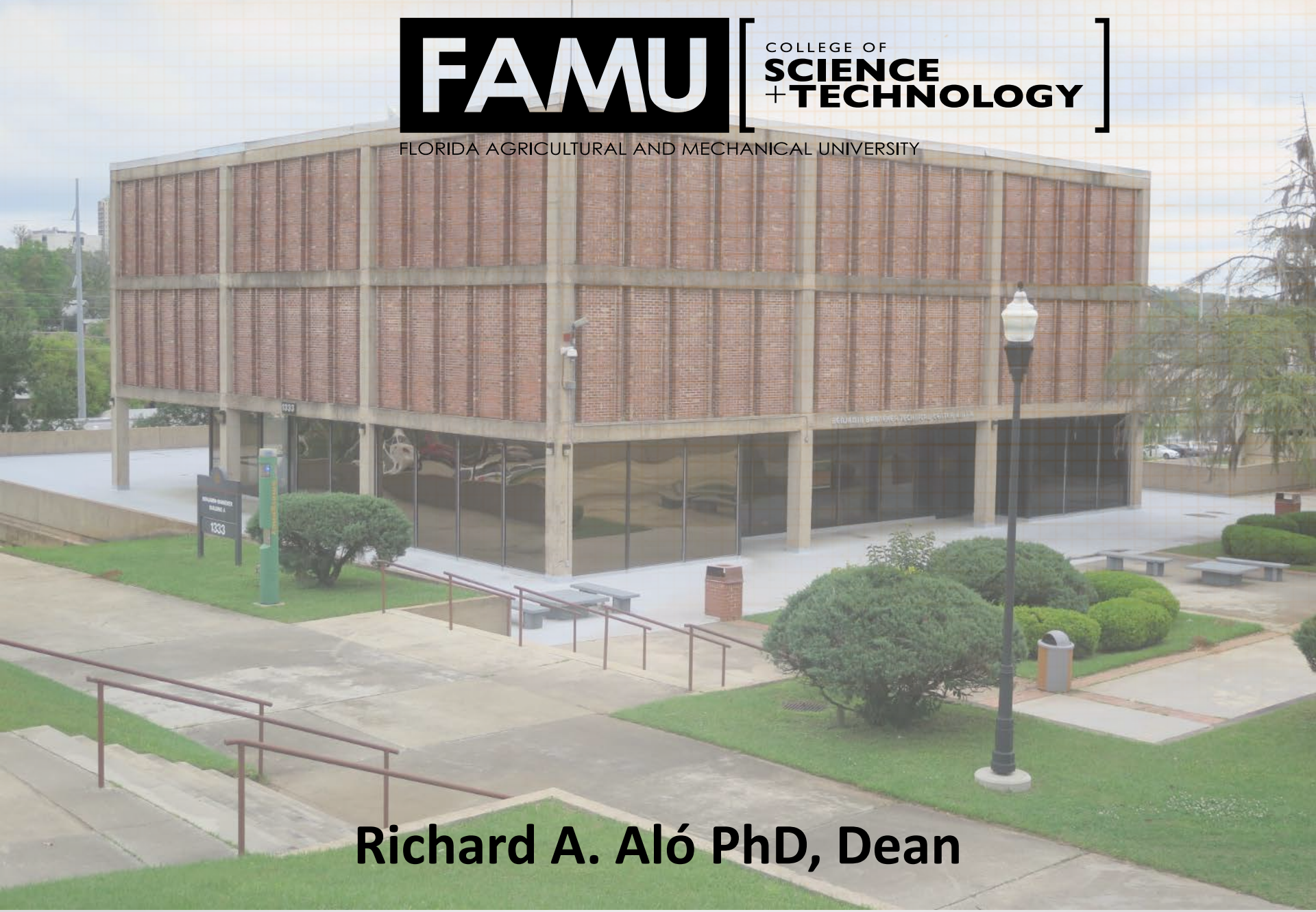
FAMU

COLLEGE OF SCIENCE + TECHNOLOGY

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY



Richard A. Aló PhD, Dean

COMPUTER INFORMATION SCIENCE BUILDING

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Return on Investment (ROI)

BOG Strategic Priority to Increase the Number of Degrees Awarded in STEM Disciplines

- Consistent with the FAMU Work Plan and Strategic Plan
  - Among the list of future programs anticipated are:
    - BS/MS in Cybersecurity
    - BS/MS in Data Science
    - PhD in Computational and Data Enabled Science and Engineering (CDS&E)

- Will facilitate increased access and student success in STEM disciplines
  - Current Degree Programs:
    - Computer Information Systems (BS)
    - Information Technology (BS)
    - Computer Science (BS/MS)

- Will improve FAMU's position as one of the nation's top institutions for African American science and engineering doctorate recipients

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Research and Financial Impact

- Will increase science and engineering research grants and expenditures and the number of research doctoral degrees awarded
- Will enhance employment opportunities for graduates
- Current classroom spaces are inadequate in both quantity and quality.
- Laboratory facilities limit the growth of the programs.
- Enhance the research effort there is a need for more space.
- The renovation will increase research grant opportunities and the number of research degrees awarded and hence, enhance employment opportunities for graduates

Fundraising

- Facilitates increased alignment of FAMU's research efforts with priorities of industry partners
- Naming opportunities for classroom and laboratory spaces

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Quick Facts about CIS

Buildings is 49 years old (constructed in 1966)

CIS Building "A" is 33,604 Square foot

Department of Homeland Security (DHS) and the National Security Agency (NSA) designated Florida A&M University as a Center of Academic Excellence (CAE) in Cyber Defense Education (CDE) and in Information Assurance Education (IAE)

Three Undergraduate program tracks

- Computer Science
- Computer Information Systems
- Information Technology

One Master program track

- Computer Science

Fall 2018 Majors

Undergrads

• Pre-Computer Info Systems	8
• Computer Information Systems	20
• Computer Science	70
• Information Technology	119

Masters

• Computer Science - Non-Thesis	
• Computer Science	12
• Software Engineering Science	1

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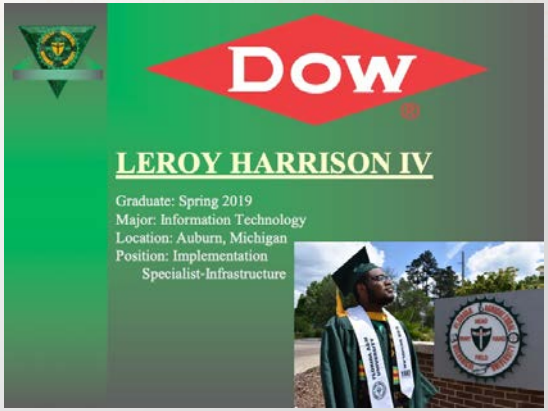
Current Program Success

There is a continuing demand for STEM graduates at both state and national level, and our graduates are highly recruited by the leaders of their respective industry.

It is estimated that 80% to 90% of them receive employment with a salary range of $45k to $75k upon graduation or shortly thereafter. ***Spring 2019 graduates and company information pictured below***



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Current Conditions

Room 201 Classroom

Room has been upgrading Visualization Wall

- New furniture coming soon
- Walls & floor needs to be resurfaced or carpeted to maintain modern look and feel of environment

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Current Conditions

Room 22 A & 22B Basement Computer Labs

- Room temperature not adequate for lab extremally warm
- CIS Server Room is filled and used as storage
- Wires & cables are exposed along with molding along the floor in certain parts of the room
- Floor has not be resurfaced and has several spots where it needs to be replaced

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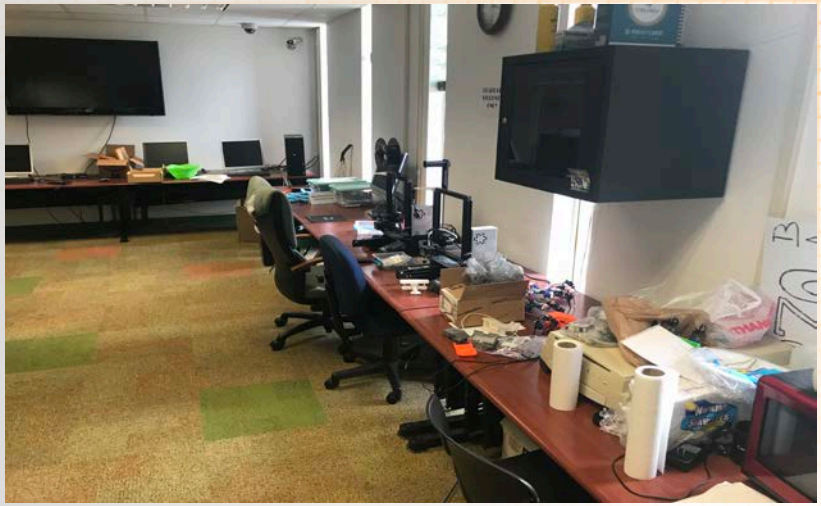

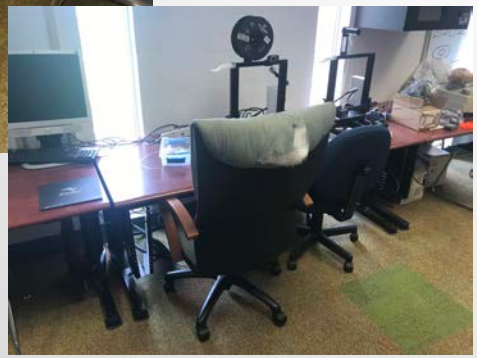

Room 301 CIS Graduate Lab

This program prepares students for a professional career in Software Development or Computer Science research. It is designed to give students a deep foundation in computer science and exposes students to the complete life-cycle of computer application development. This includes modeling, algorithm development, software development processes, programming languages, and development frameworks.

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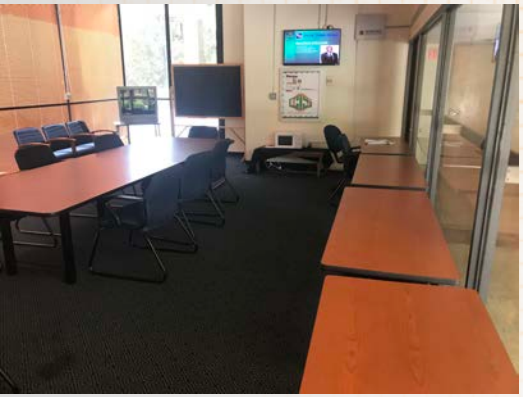

Room 103 Eli Lilly CIS Study Center

History 2008

A gift from Eli Lilly and Company has funded the rehabilitation of the "Sun Room" in the Benjamin Banneker Building A into a comfortable place for students to study, network and socialize. Lilly's gift purchased new furniture, window treatments, security, and other amenities for the space which has been rechristened as the Eli Lilly CIS Study Center.

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Demand Metrics

- CIS does not have sufficient office and research laboratory space to support recent and anticipated faculty hires
- The project will create a minimum of **4 Smart Classrooms, 5 teaching laboratories, 5 research laboratories, 1 IT Network laboratory, 1 IT Systems Administration laboratory, 1 Internet of Things (IOT) laboratory, 1 Student Study Room and 20 faculty offices for CIS**
- Will house needed CIS advisement and academic support offices
- Graduate Student Support
  - Collaborative Workspace (15 Graduate Students)
- Undergraduate Student Support
  - Collaborative Workspace (30 Undergraduate Students)
- Visualization Lab
- Convergent Data Science Center
- IPODIA Classroom (Global Classroom without borders)

"At FAMU, Great Things Are Happening Every Day."

established 1887