Computer Science & Information Technology

Program Advisory Board Meeting

October 21, 2022

- Results of October 2021 ABET Visit
- Graduate Programs
- Undergraduate Program Review
- Cybersecurity Lab
- Opportunities
- Learning Partnerships

- Bachelor of Science in Computer Science

- Bachelor of Science in Information Technology
  - Accredited to September 30, 2028

- Information Technology
  - Concern
    - Number of classes being used for assessment
    - Number of data samples collected for assessment

Graduate Programs

- Computer Science
  - Taught by CS/IT program faculty
  - Fall 2022: 5 students
  - Spring 2023: 9 new applicants
  - Four possible elective groupings:
    - Software & Systems
    - Data & Visualization
    - Artificial Intelligence
    - Cybersecurity & Network Communications

- Cybersecurity
  - Collaboration between CS/IT, and MCO faculty
  - Fall 2022: 6 students
  - Spring 2023: 6 new applicants
  - Elective Courses in:
    - Data Analytics & Cloud Security
    - Software & Systems
    - Forensics
    - Cybersecurity Operations

- Programming environments
- Programming languages
- Database knowledge
    - Design
    - Development
    - Platforms
- Tools, versioning, others?

Cybersecurity Lab

- Appropriation of $250K from the State of Alabama for a Cybersecurity Lab on main campus
- University facility designed for use by cybersecurity programs in the CoAS, CoB, and CLL
- Multiple phase project, with state appropriation paying for Phase 1
  - Emphasis on infrastructure needed to support traditional, hybrid, and asynchronous on-line instruction
  - Including both lab and data center enhancements

The Next Thing: Extended Reality

EXTENDED REALITY FOR IMMERSIVE VIRTUAL WORLD

VIRTUAL REALITY   AUGMENTED REALITY   MIXED REALITY

Source: logicsimplifed.com

Opportunity for institution and programs

- Up next: Extended Reality Lab
  - Collaboration between the computing and arts programs
  - Proposal under development for funding lab spaces on main campus and the Alabama Center for the Arts

- Emphasis: Extended reality in education
  - Applications, tools, and teaching methods

Opportunities

- CS and IT students virtual mock interviews
  - 6:00 – 9:00 pm
  - Two Fridays prior to student finals week
- ASSIST Scholarship partnered mentors
- Math and Computer Science Sponsored Presentations
- CS and IT capstone students will be presenting work on

November 15th at 6:00 pm

Waters Hall N202 & Zoom will also be available

Learning Partnerships

- Benefits
  - 10% tuition discount on all classes, including those held through the Center of Lifelong Learning
  - Waived application fee
  - Evaluation of previous education for transfer credit consideration

- Benefits extend to parents, spouse, and children of the learning partner employee/member

- Current partners:
  - Torch Technologies (in progress)
  - Aetos Systems
  - EFI Automotive
  - Five Stones Research
  - Lyons HR
  - Nemak
  - Chick-fil-A (Cullman)
  - VAYA Space
  - Huntsville Hospital
  - Crestwood Medical Center