



Program Advisory Board

Computer Science(U-G), Information Technology(U), Cybersecurity (G)

Friday, March 8, 2024

Athens State University

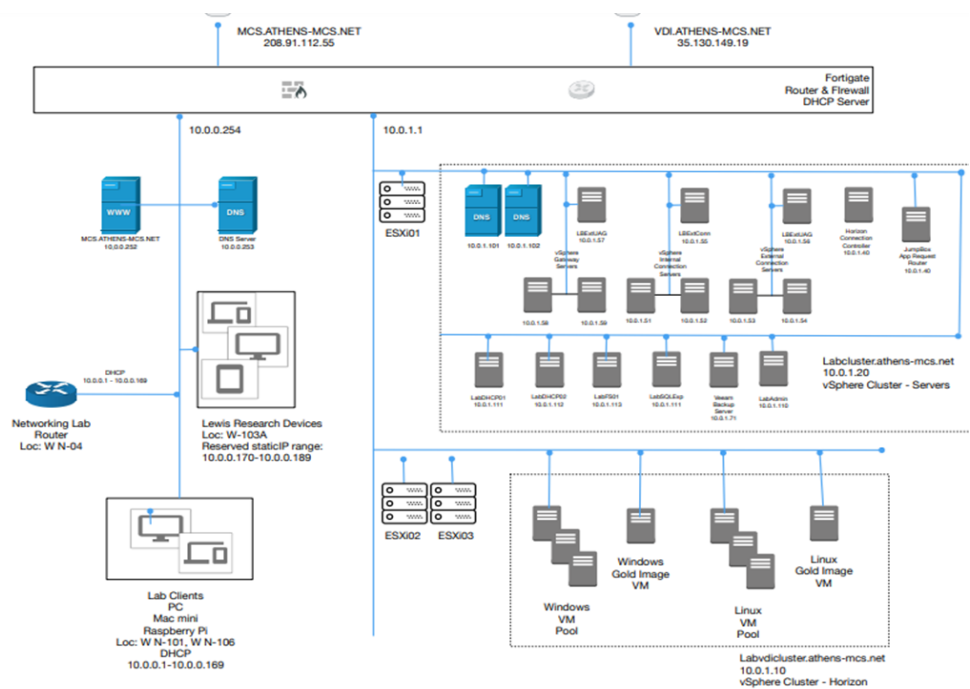




Agenda

- Cybersecurity Lab
- Graduate Program Update
- Undergraduate Program Discussion
- Undergraduate Certificate Programs
- Industry need
- Wrap Up

Cybersecurity Lab





Graduate Programs

- Cybersecurity
 - 1st graduate expected this semester
- Computer Science
 - First 2 graduates expected at end of Fall
- Current Graduate Project/Thesis
 - *Mitigating Social Engineering Threats with Machine Learning* – **Computer Science Thesis**
 - *Innovative Solutions: Building a Web Application For Effective Debt Management* – **Computer Science Development Project**
 - *WebDock – A Browser-Based Docker Client Solution* – **Computer Science Development Project**
 - *IoT Device Regulations* – **Cybersecurity Research Project**
 - *Phone to Vehicle Authentication: Tesla vs. Hyundai* – **Cybersecurity Research Project**



Undergraduate Program

- Changes to Exit Exam
 - Cybersecurity added to the core section
 - Computer Science – Algorithms, Operating Systems, and Algorithms added
 - Information Technology – SA&D, HCI, Database Systems
- Capstone class
 - ACHE Grant allowed for a redesign
 - Internship role may be approved as a capstone project – course enrollment and activity requirements still apply



Undergraduate Certificate Programs

- Currently being offered:
 - Foundations of Software Development
 - Advanced Software Development
 - Cybersecurity
- Under Considerations:
 - Game Design/Development
 - Web Application Design/Development
 - Computer Systems & User Experience
 - Computer Networking
 - Artificial Intelligence
 - Health Information Technology
- Current certificate programs are 12 credit hours.
- Possibility of accrediting certificate programs by ABET
 - May require an increase in program hours



Industry Needs

New Employees - Graduates

- How are degree concentrations taken into consideration?
- Possible impact of “flat” program.
- What is the demand for a straight Cybersecurity degree?
 - Opinion: level of technical ability
- ABET and Graduate degrees

Current Employees

- Possible training areas
- Time frame
- Format



Announcements

- Six students are in the Career Seminar class and will be participating in Mock Interviews in late April.
- Seven teams of capstone students will be presenting their projects on April 26th at 6:00 pm
 - Zoom will be available
 - Announcement will be sent out in April
 - Three web projects, 2 internship projects, Modified CTF, and BioRube Bot
- Five graduate students will have open virtual presentations, announcements will be made when their presentations are scheduled

