

May 28, 2025 JALC CIS Advisory Board Notes

- Continue increasing the amount of hands-on learning students are exposed to (in-depth/industry specific scenarios/situations).
- Increase exposure to Office 365, Azure, and AWS.
- In addition to basic cyber-security, incorporate cloud security.
- Introduce Operational Technology (OT) to students, including: Perdue model, protocols and devices used (modbus, PLCs, RTUs, HMI/sensors, SCADA, DCS controller, etc.)
- Students entering workforce lack ability to apply networking knowledge to solve real-world situations. Work on application in addition to knowledge.
- Students need exposure to some form of help desk ticketing system like is commonly used in the industry.
- Students need more people skills. They need customer service and communication skills, not just technical skills.
- Mayer Networks continues to deploy Dell Sonic Wall instead of Cisco devices due to the amount of time needed for configuration, along with the reduced expense. May consider offering a Dell option for firewalls so students are familiar with it or something like it.
- Documentation; students need to be able to make documentation, as well as read and follow existing documentation (including Policy & Procedure).