

Practicum IT Networking and Cyber

Local Course #: 82366

State Course ID: 13028000

Course Description:

As the capstone course for the Networking and Cybersecurity program, this practicum provides students with advanced expertise in the design, implementation, and management of IT systems and services. Students will engage in real-world projects that enhance their skills in network security, data protection, and systems evaluation. Emphasis is placed on critical thinking, problem-solving, and the practical application of IT standards. This hands-on experience can take place in various settings, including classrooms, internships, capstone projects, or career preparation with industry mentors, equipping students with the knowledge and experience needed to thrive in the technology-driven workforce.

Link to TEKS:

[https://texas-sos.appianportalsgov.com/rules-and-meetings?\\$locale=en_US&interface=VIEW_TAC_SUMMARY&queryAsDate=08%2F07%2F2025&recordId=225639](https://texas-sos.appianportalsgov.com/rules-and-meetings?$locale=en_US&interface=VIEW_TAC_SUMMARY&queryAsDate=08%2F07%2F2025&recordId=225639)

First 9 Weeks Major Topics:

Career Prep/Mock Interviews/ Resume Building

Second 9 Weeks Major Topics:

Project Planning, Professional Readiness

Third 9 Weeks Major Topics:

Project Design/Implementation

Fourth 9 Weeks Major Topics:

Final Presentation, Documentation, Industry Readiness