Program Level Outcome (PLO) Assessment Report Summary

Program Level Outcomes for Computer Science and Information Systems - Network and Security:

Upon successful completion of the Computer Science and Information Systems—Network and Security Option program, a student should be able to:

1. design, plan, and implement a small office network, incorporating current industry standards for performance, reliability, and security.
2. demonstrate strong interpersonal skills, communicate effectively with technical and non-technical colleagues, and work effectively on a team.
3. assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems.
4. configure small business and small enterprise networking, storage and virtual equipment, (servers and network devices) to create a reliable, secure, and efficient networking infrastructure.

What we looked at:

We evaluated PLO #1 for CSS 121A and 121C.

What we found:

The percentage of students who successfully satisfied the SLO rubric criteria for CSS 121A and 121C were:

Successful: 81%
Unsuccessful: 0%
Incomplete/not turned in: 19%

Students need to spend additional attention on the configuration and design documentation. The students were able to successfully configure and test networks, but the documentation was lacking.

What our next steps are:

Require configuration documentation for each weekly assignment completed in Packet Tracer and the hands-on labs. Investigate incorporating a requirement for industry certification as part of the course requirements.