Wireshark

NIST Standards and other best practices.

NIST 800-53r5 – SC-8 – Transmission Confidentiality and Integrity

While learning to use the Wireshark programs students are required to view and analyze the security implications of using unencrypted vs encrypted communications.

NIST 800-53r5 – SI-4 – System Monitoring

Students learn to use Wireshark which can be used as a network monitoring tool to supplement automated monitoring tools such as Intrusion Detection Systems.