

Network Systems Technology, AS

Purpose

The Associate in Science (AS) in Network Systems Technology program prepares students for further education and careers such as cabling specialists, network control operators, data communications analysts, network technicians, computer security specialists, network specialists, network managers, network systems analysts, network systems technicians, network troubleshooters, WAN/LAN managers, or systems administrators.

The content includes but is not limited to planning, installing, configuring, monitoring, troubleshooting and managing computer networks in a LAN/WAN environment. Students will be prepared to apply conceptual and theoretical knowledge to the workplace utilizing technical skills learned during the program.

This program is designed to help students obtain the skills needed to earn various industry-recognized certifications.

Program Structure

This program is a planned sequence of instruction consisting of 60 credit hours in the following areas: 18 credit hours of General Education Requirements, 39 credit hours of Network Systems Technology Core, and 3 credit hours of General Electives. The Network Security Certificate and the Information Technology Support Specialist Certificate are comprised of core courses in the AS Network Systems Technology degree. These certificates can be earned before the student has earned the AS Network Systems Technology degree.

Course Prerequisites

Many courses require prerequisites. Check the description of each course in the list below to check for prerequisites, minimum grade requirements, and other restrictions related to the course. Students must complete all prerequisites for a course prior to registering for it.

Graduation

Students must fulfill all requirements of their program major in order to be eligible for graduation. Students must indicate their intention to attend commencement ceremony, by completing the Commencement Form by the published deadline.

General Education Requirements: 18 Credit Hours

- [ENC 1101 - Composition I](#) **3 credits**
- [ENC 1102 - Composition II](#) **3 credits**
- **3 credits or 3 credits**
- Any General Education Humanities (PHI 2100 - Introduction to Logic recommended) **3 credits**
- Any General Education Mathematics Course ([MAC 1105](#) -College Algebra or [STA 2023](#) - Statistical Methods I recommended) **3 credits**
- Any General Education Social Sciences Course ([ECO 2013](#) - Economics I recommended) **3 credits**

Network Systems Technology, AS Degree Core Requirements: 39 Credit Hours

- CGS1100 – Computer Applications for Business **3 credits**
- [CIS 2321 - Systems Analysis and Design](#) **3 credits**
- [CNT 1000 - Computer Networking Essentials](#) **3 credits**
- [CTS 1131 - Computer Hardware](#) **3 credits**
- [CTS 1133 - Computer Software](#) **3 credits**
- [CTS 2120 - Computer and Network Security \(Security+\)](#) **3 credits**
- [CTS 2142 - Introduction to Project Management](#) **3 credits** or [MAN 2582 - Principles of Project Management](#) **3 credits**
- [CTS 2321 - Linux Internet Servers](#) **3 credits**
- [CTS 2334 - Microsoft Windows Server](#) **3 credits**
- [CTS 2655 - Internetworking with Cisco Routers](#) **3 credits**
- CNT1512 – Wireless Network Administration **3 credits**
- [MAN 2021 - Management Principles](#) **3 credits**
- Any 1000 or 2000 level computer course with a CGS, CTS, CNT, CIS, CAP, CEN, OR EET prefix **3 credits**

Approved Electives: 3 Credit Hours

- Any 1000 or 2000 level course **3 credits**

Total Degree Requirements: 60 Credit Hours

Information is available online at: www.fsw.edu/academics/ or on the School of Business and Technology Home Page at: www.fsw./sobt