





<i>Office of Accountability &amp; Effectiveness</i> <i>Signature</i>	<i>Date</i>
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**Section I, Important Dates and Endorsements Required**

**NOTE:** Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

<b>Term in which approved action will take place</b>	Fall 2020
<b>Provide an explanation below for the requested exception to the effective date.</b>	

<b>Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.</b>		
<b>Dean</b>	<b>Signature</b>	<b>Date</b>
Dr. Debbie Psihountas, Dean		
<b>Provost</b>	<b>Signature</b>	<b>Date</b>
Dr. Eileen DeLuca		

Required Endorsements	Type in Name	Select Date
<b>Department Chair or Program Coordinator/Director</b>	Dr. Roger Webster / Leroy Bugger	Click here to enter a date.
<b>Academic Dean or Provost</b>	Dr. Debbie Psihountas, Dean	Click here to enter a date.

<b>List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).</b>
Dr. George Kodsey and Dr. Roger Webster, Debbie Johnson

**Section II, Proposed Changes**

<b>Do any of the changes affect the AA focus? (If so, a Change of Program proposal is also needed.)</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Have the deans of the General Studies been contacted/consulted?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Have you attached an updated catalog page?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Change of School, Division, or Department</b>	SoBT, Computer Science
<b>Change to program or certificate name</b>	Network Systems Technology, AS; Information Technology Support Specialist, CCC; Network Security, CCC; Network Enterprise Administration, CCC
<b>List below, any changes to the program or certificate prerequisites. Include course titles and credits if applicable.</b>	
CTS1131 – A+ Computer Hardware (PreReq “None”) CNT 1000 – Computer Networking Essentials (PreReq CNT 1131, CNT 1133) CTS 2120 – Computer and Networking Security (Any CTS 2000 level class completed with a “C” or better) CIS 2321 – Systems Analysis and Design (Any CTS 2000 level class completed with a “C” or better) CTS2655 – Internet Networking with CISCO Routers (CNT 1000 completed with a “C” or better)	
<b>List below, any changes to the General Education requirements. Include course titles and credits if applicable.</b>	
None	
<b>List below, any changes to the program or certificate Core requirements. Include course titles and credits if applicable.</b>	
None	

<b>List below, any changes to the program or certificate Elective requirements. Include course titles and credits if applicable.</b>	
None	
<b>List below, any other changes to the program or certificate requirements.</b>	
None	
<b>Change to program length (credits or clock hours to complete)</b>	From: N/A To: N/A

**Include complete new catalog page as an attachment. Proposals without the new catalog page will not be reviewed by the committee.**

# Network Systems Technology, AS

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## Purpose

The Associate in Science (AS) in Network Systems Technology program offers a sequence of courses that present coherent and with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers as network specialists, network control operators, data communications analysts, network technicians, computer security 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 LAN/WAN environment. Students will be prepared to apply conceptual and theoretical knowledge to the workplace utilizing technology during the program.

## Program Structure

This program is a planned sequence of instruction consisting of 60 credit hours in the following areas: 18 credit hours of General Requirements, 39 credit hours of Network Systems Technology Core, and 3 credit hours of General Electives. The Network Security certificate that prepares students for entry into employment and is comprised of core courses in the AS Network Systems Technology degree. The Information Technology Support Specialist Certificate is an 18 credit hour certificate that also prepares students for entry into employment and is comprised of core courses in the AS Network Systems Technology degree. As such, either or both can be earned before the student completes the 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 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 intent to participate in the commencement ceremony, by completing the Commencement Form by the published deadline.

## General Education Requirements: 18 Credit Hours

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ENC 1101 - Composition I 3 credits

ENC 1102 - Composition II 3 credits

SPC 1017 - Fundamentals of Speech Communication 3 credits

**OR**

SPC 2608 - Introduction to Public Speaking 3 credits

PHI 2100 - Introduction to Logic 3 credits

Any General Education Mathematics Course (MAC 1105 -College Algebra or STA 2023 -Statistical Methods I recommended)

Any General Education Social Sciences Course (ECO 2013 - Economics I recommended) 3 credits

## Network Systems Technology, AS Degree Core Requirements: 39 Credit Ho

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CGS 2108 - Computer Applications with Flowcharting 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

MAN 2021 - Management Principles 3 credits

SLS 1331 - Personal Business Skills 3 credits

**OR**

SLS 1515 - Cornerstone Experience 3 credits

Any 1000 or 2000 level computer course with a CGS, CTS, CNT, CIS, CAP, or EET prefix 3 credits

## Approved Electives: 3 Credit Hours

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Any 1000 or 2000 level course 3 credits

## Total Degree Requirements: 60 Credit Hours

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

RETRIEVED FROM: [http://catalog.fsw.edu/preview\\_program.php?catoid=11&poid=692](http://catalog.fsw.edu/preview_program.php?catoid=11&poid=692)

### **Section III, Justification for proposal**

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18; 10/18

**Include state frameworks, accrediting or professional organization recommendations or requirements, workforce data, and/or crosswalks.**

**Provide justification (below) for each change on this proposed curriculum action.**

Dependency (prerequisite) of classes are out of order. Requirements to understand the knowledge in order will help the Student succeed. Learning about Hardware and Software prior to building a network are efficient to comprehending what devices make up a network. Understanding types of Hardware and Applications with flowcharting assist the student with Principles of writing scripts in Linux and Microsoft. In the end learning two final courses simultaneously which are Computer and Network Security as well as Systems Analysis and Design will capitalize with the entire program and learning track for the Network Systems Technology, AS.