COMPUTER INFORMATION SYSTEMS

ST. JOHNS RIVER STATE COLLEGE

PROGRAM MISSION STATEMENT
The mission of St. Johns River State College's computer programs is to produce graduates with the knowledge and skills essential for success in the workplace and to encourage the pursuit of academic and lifelong learning and personal growth through high quality, innovative and effective instruction.

COMPUTER INFORMATION SYSTEMS

NETWORK SYSTEMS TECHNOLOGY

NETWORK INFRASTRUCTURE - CISCO

NETWORK SERVER ADMINISTRATION

NETWORK SECURITY

CISCO
Networking
Academy

NETWORK SYSTEMS TECHNOLOGY (0193)
ASSOCIATE IN SCIENCE DEGREE

This program prepares students for employment as cabling specialists, PC support technicians, network control operators, data communications analysts, help desk specialists, network technicians, computer security specialists, network specialists, network managers, network systems analysts, network systems technicians, network troubleshooters, WAN/LAN managers, or network system administrators. This program also provides supplemental training for persons previously or currently employed in these occupations.

If you need additional information after seeing an advisor, please send an email to BCCInfo@SJRstate.edu.

GENERAL EDUCATION COURSES:

	ENC	1101	Composition I	3
+	HUM	2020	Introduction to Humanities	3
*	____	____	General Education Core Mathematics	3

Choose one of the following Natural Science courses:

	CHM	1020	Introduction to Chemistry	3
			OR	
	ESC	1000	Earth and Space Science	3
			OR	
	EVR	1001C	Introduction to Environmental Science and Laboratory	3
			OR	
	PHY	1020	Introduction to Physics	3

Choose one of the following Social Science courses:

	AMH	2020	United States History Since 1877	3
			OR	
	POS	1041	United States Federal Government	3

DEGREE SPECIFIC COURSES:

+	CET	1178C	Computer Hardware Support Essentials	3
+	CET	1600C	Network Fundamentals	3
+	CET	2179C	Computer Software Support Essentials	3
+	CET	2565C	Introduction to Server Operating Systems	3
+	CET	2610C	Routing Protocols and Concepts	3
+	CET	2615C	LAN Switching and Wireless	3
+	CET	2660C	Network Security Essentials	3
+	CIS	2252	Computer Ethics	3
+	CIS	2321	Information Systems	3
	CGS	1060	Introduction to Computer Concepts	3
	CGS	1100	Microcomputer Applications Software	3
	CNT	1001	Introduction to Networking	3
+	COP	1000	Introduction to Computer Programming	3
+	CTS	1387	Introduction to Linux	3
+	CTS	2358C	Identity with Windows Server 2016	3

REQUIRED TOTAL CREDIT HOURS   60

* Refer to A.S. degree general education core requirements.
\+ Prerequisite course required. See course descriptions in catalog.

Note: The CISCO Lab is located on the Orange Park campus. The following courses are only taught in the CISCO Lab: CET 1600C, CET 2610C and CET 2615C. Most of the courses requiring lab component will be offered as hybrid classes. In hybrid courses, theory and concepts are taught online and students are required to attend campus to complete lab requirements.

Courses are listed alphabetically. This is not the order in which courses should be taken. Please see the program plan/course rotation to see the order in which courses should be taken.

NETWORK INFRASTRUCTURE - CISCO (4123)
COLLEGE CREDIT CERTIFICATE

This college credit certificate program prepares students for jobs as trained network support technicians capable of managing, securing, and solving technical problems of networks, especially those composed of CISCO routers and switches. The curriculum covers networking fundamentals, WAN technologies, basic security and wireless concepts. In addition, completion of this certificate will prepare students for the opportunity to earn CISCO industry certifications.

This program is an intermediate step toward the Associate in Science degree in Network Systems Technology.

If you need additional information after seeing an advisor, please send an email to BCCInfo@SJRstate.edu.

CERTIFICATE SPECIFIC COURSES:

	CGS	1060	Introduction to Computer Concepts 3
+	CET	1600C	Network Fundamentals 3
+	CET	2610C	Routing Protocols and Concepts 3
+	CET	2660C	Network Security Essentials...3
+	CET	2615C	LAN Switches and Wireless 3
	CNT	1001	Introduction to Networking 3

REQUIRED TOTAL CREDIT HOURS   18

+ Prerequisite course required. See course descriptions in catalog.

Additional credit may be awarded for current industry certifications based on the Florida Department of Education Gold Standard Industry Certification articulation agreements.

Note: The CISCO lab is located on the Orange Park campus. The following courses are only taught in the CISCO lab: CET 1600C, CET 2610C and CET 2615C.

NETWORK SERVER ADMINISTRATION (4133)
COLLEGE CREDIT CERTIFICATE

This certificate is a college credit program that prepares students for jobs as trained network technicians capable of building, managing, securing, and solving intricate and dynamic technical problems of networks, especially those composed of CISCO routers and switches.

This program is an intermediate step toward the Associate in Science degree in Network Systems Technology.

If you need additional information after seeing an advisor, please send an email to BCCInfo@SJRstate.edu.

CERTIFICATE SPECIFIC COURSES:

+	CET	1178C	Computer Hardware Support Essentials	3
+	CET	1600C	Network Fundamentals	3
+	CET	2179C	Computer Software Support Essentials	3
+	CET	2565C	Introduction to Server Operating Systems	3
	CGS	1060	Introduction to Computer Concepts	3
	CNT	1001	Introduction to Networking	3
+	CTS	1387	Introduction to Linux	3
+	CTS	2358C	Identity with Windows Server 2016	3

REQUIRED TOTAL CREDIT HOURS   **24**

+ Prerequisite course required. See course descriptions in catalog.

Additional credit may be awarded for current industry certifications based on the Florida Department of Education Gold Standard Industry Certification articulation agreements.

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Note: Most of the courses requiring a lab component will be offered as hybrid classes. In hybrid courses, theory and concepts are taught online and students are required to attend campus to complete lab requirements.

Note: Courses are listed alphabetically. This is not the order in which the courses should be taken. Please see the program plan/course rotation to see the order in which courses should be taken. This will ensure that you complete prerequisite courses and are prepared for additional courses when they are offered.

PROGRAMS OF STUDY | COMPUTER INFORMATION SYSTEMS

NETWORK SECURITY (4127)

COLLEGE CREDIT CERTIFICATE

This certificate is a college credit program that prepares students for entry level positions in the field of network security. Students will learn and demonstrate proficiency in the following areas: operating systems, virtual machines, network design, operations, securing network infrastructure and protecting data, penetration testing, ethical hacking, cyber security incidents, basic forensic analysis, and employability skills.

If you need additional information after seeing an advisor, please send an email to BCCInfo@SJRstate.edu.

CERTIFICATE SPECIFIC COURSES:

+	CET	1600C	Network Fundamentals	3
+	CET	2565C	Introduction to Server Operating Systems	3
+	CET	2660C	Network Security Essentials	3
	CGS	1060	Introduction to Computer Concepts	3
	CNT	1001	Introduction to Networking	3
+	COP	1000	Introduction to Computer Programming	3
+	CTS	1387	Introduction to Linux	3

REQUIRED TOTAL CREDIT HOURS   **21**

+ Prerequisite course required. See course descriptions in catalog.

Additional credit may be awarded for current industry certifications based on the Florida Department of Education Gold Standard Industry Certification articulation agreements.

Note: Most of the courses requiring a lab component will be offered as hybrid classes. In hybrid courses, theory and concepts are taught online and students are required to attend campus to complete lab requirements.

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