

PROGRAM INFORMATION AND DEGREE PLANS FOR TECHNICAL AND PROFESSIONAL EDUCATION PROGRAMS

COMPUTER & NETWORK SYSTEM ADMINISTRATION Associate of Applied Science Degree

(Degree Audit Program Code: NETWORK-AAS)

The Computer & Network System Administration curriculum is designed to provide the student with an understanding of the principles of information technology, experience with techniques of information technology, and competence in the application of computer information systems. The program is designed for students seeking an occupational certificate of technology or associate of applied science (A.A.S.) degree. In the network administration Cisco specialty, emphasis is on the design, implementation and administration of local and wide area routed networks in business and industry. The graduate will be able to administer and troubleshoot Cisco networking equipment and networking infrastructure. The Cisco courses may lead to the Certified Network Associate (CCNA) Certificates. Students will learn to install, maintain, repair, replace, and upgrade desktop computers. This program prepares you for industry certification such as COMPTIA A+, COMPTIA Network+ and Microsoft network administration specialty is designed to provide the student with basic skills needed to work as a Microsoft computer network service technician.

FIRST YEAR

First Semester				Second Semester			
ITSC	1425	Personal Computer Hardware	4	ITCC	1444	CCNA 2: Switching, Routing, and Wireless Essentials OR	4
ITCC	1414	CCNA 1: Introduction to Networks or		ITMT	1458	Windows Client Operating System	
ITNW	1425	Fundamentals of Networking Technologies	4	ITSC	1416	Linux Installation	4
ITSC	1405	Introduction to PC Operating Systems	4	ITNW	1458	Network +	4
ITMT	1457	Administering a Windows Server Operating System	4	ITNW	2359	Web Server Support & Maintenance	3
			16				15

SECOND YEAR

Third Semester				Fourth Semester			
ITSE	1329	Programming Logic and Design	3	<u>Speech Elective</u>			3
			4	<u>ENGL 1301</u>	<u>Composition I</u>		3
ITSY	1300	Fundamentals of Information Security	3	<u>Math Elective</u> ³			3
ITCC	2420	CCNA 3: Enterprise Networking, Security, and Automation*	4	<u>Language, Philosophy & Culture</u> ² or <u>Creative Arts Elective</u> ²			3
			14	<u>Social & Behavioral Science Elective</u> ²			3
							15

TOTAL SEMESTER CREDIT HOURS IN PROGRAM: 60

Notes:

²Select from courses listed in Galveston College's Core Curriculum section of this catalog.

³MATH 1332 is suggested or select one course from: MATH 1314, 1324, 1325, 1342, 2312, 2413, 2414, 2415

*Identifies Capstone course

Underline - Identifies courses to meet general education requirements for AAS Degree.