

INFORMATION TECHNOLOGY AND SECURITY ACADEMY

1st Year Program of Studies

Courses in blue articulate into associates.

Fall Semester	Credit	Spring Semester	Credit
ITSC 1305 Intro to PC Operating Systems Introduction to personal computer operating systems including installation, configuration, file management, memory & storage management, control of peripheral devices & use of utilities.	3	ITNW 1425 Fundamentals of Networking Technologies* <i>*Testout Certification Network Pro</i> Introduction to architecture, structure, functions, components & models of the internet. Covers principles and structures of IP addressing, Ethernet, media & operations.	4
ITSC 1425 Personal Computer Hardware* <i>*Testout Certification PC Pro</i> Current personal computer hardware including assembly, upgrading, setup, configuration, and troubleshooting.	4	ITSC 2439 Personal Computer Help Desk Support Diagnosis and solution of user hardware and software related problems with on-the-job and/or simulated projects.	4
Fall Semester Total	7	Spring Semester Total	8
Year 1 Total	Level I Certificate of Completion <i>Computer Desktop Support Technician</i>		15

Summer Semester	Credit
ITSY 2386 Internship: Computer and Information Systems Security Practical, general workplace training supported by an individualized learning plan.	3
Summer Semester Total	3

2nd Year Program of Studies

Courses in blue articulate into associates.

Fall Semester	Credit	Spring Semester	Credit
ITSC 1316 LINUX Installation & Configuration* <i>*Testout Certification LINUX Pro</i> Introduction to the UNIX operation system including multi-user concepts, terminal emulation, use of system editor, basic UNIX commands, & writing script files. Includes introductory system management concepts.	3	ITSE 1302 Computer Programming Introduction to computer programming with emphasis on the fundamentals of design, development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files.	3
ITSY 1342 Information Technology Security* <i>*Testout Certification Security Pro</i> Instruction in security for network hardware, software, and data including physical security, backup procedures, relevant tools, encryption, and protection from viruses.	3	ITSE 1311 Beginning Web Programming Skill development in web page programming including mark-up and scripting languages.	3
Fall Semester Total	6	Spring Semester Total	6
Year 2 Total	Level I Certificate of Completion <i>Information Technology & Security</i>		12

Two Year Program of Studies: 9 Courses totaling 30 credit hours

The Alamo Colleges do not discriminate on the basis of race, religion, color, national origin, sex, age, or disability with respect to access, employment programs, or services. Inquiries or complaints concerning these matters should be brought to the attention of: Director of Employee Services, Title IX Coordinator, (210) 485-0200.

Level I Certificate of Completion
Computer Desktop Support Technician

Level I Certificate of Completion
Information Technology & Security

ASSOCIATE OF APPLIED SCIENCES

Computer Support Specialist

Semester 1		Credit
ITSC 1301	Introduction to Computers or other*	3
ITSC 1309	Integrated Software Applications	3
ITSC 1305	Introduction to PC Operating Systems or other*	3
ENGL 1301	Composition I	3
	Select Additional communication (90) Core	3
1st Semester Total		15
Semester 2		Credit
ITNW 1425	Fundamentals of Networking Technologies or others*	4
ITSC 1425	Personal Computer Hardware	4
ITNW 1454	Implementing and Supporting Servers	4
ITSC 1316	LINUX Installation and Configuration	3
2nd Semester Total		15
Semester 3		Credit
	Select Language, Philosophy & Culture (40) or other*	3
ITSE 1302	Computer Programming or other*	3
3rd Semester Total		6
Semester 4		Credit
ITSC 2439	Personal Computer Help Desk Support	4
ITSE 1311	Beginning Web Programming	3
ITSC 2325	Advanced LINUX	3
ITSC 2321	Integrated Software Applications II	3
4th Semester Total		13
Semester 5		Credit
ITSY 1342	Information Technology Security or other	3
-	Select Mathematics (20) Core	3
-	Select Social & Behavioral Science (80) Core 3	3
ITSC 2264	Practicum Computer & Information Sciences	2
5th Semester Total		11
Program Total		60
DC/AA: 29	Total AAS Hours: 60	
Hours Needed Post DC/AA: 31	General Academics: 15	
	Specific Hours: 45	