



# Information Technology and Security Academy

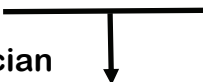
1st Year Program of Studies 5 courses with total of 18 credit hours	
<b>Fall Semester</b>	<b>Credit</b>
ITSC 1305 <b>Intro to PC Operating Systems</b> <i>Introduction to personal computer operating systems including installation, configuration, file management, memory &amp; storage management, control of peripheral devices &amp; use of utilities.</i>	3
ITSC 1425 <b>Personal Computer Hardware*</b> <i>Current personal computer hardware including assembly, upgrading, setup, configuration, and troubleshooting.</i>	4
*Testout Certification PC Pro	
<b>Fall Semester Total</b>	<b>7</b>
<b>Spring Semester</b>	<b>Credit</b>
ITNW 1425 <b>Fundamentals of Networking Technologies*</b> <i>Introduction to architecture, structure, functions, components &amp; models of the internet. Covers principles and structures of IP addressing, Ethernet, media &amp; operations.</i>	4
*Testout Certification Network Pro	
ITSC 2439 <b>Personal Computer Help Desk Support</b> <i>Diagnosis and solution of user hardware and software related problems with on-the-job and/or simulated projects.</i>	4
<b>Spring Semester Total</b>	<b>8</b>
<b>Summer Semester</b>	<b>Credit</b>
ITSC 2364 <b>Practicum: Computer &amp; Information Sciences, General</b> <i>Practical, general workplace training supported by an individualized learning plan.</i>	3
<b>Summer Total</b>	<b>3</b>
<b>Year 1 Program Total</b>	<b>18</b>
<b>Level I Certificate of Completion Computer Desktop Support Technician</b>	

2nd Year Program of Studies 4 courses with total of 12 credit hours	
<b>Fall Semester</b>	<b>Credit</b>
ITSC 1316 <b>LINUX Installation &amp; Configuration*</b> <i>Introduction to the UNIX operation system including multi-user concepts, terminal emulation, use of system editor, basic UNIX commands, &amp; writing script files. Includes introductory system management concepts.</i>	3
*Testout Certification LINUX Pro	
ITSY 1342 <b>Information Technology Security*</b> <i>Instruction in security for network hardware, software, and data including physical security, backup procedures, relevant tools, encryption, and protection from viruses.</i>	3
*Testout Certification Security Pro	
<b>Fall Semester Total</b>	<b>6</b>
<b>Spring Semester</b>	<b>Credit</b>
ITSE 1302 <b>Computer Programming</b> <i>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.</i>	3
ITSE 1311 <b>Beginning Web Programming</b> <i>Skill development in web page programming including mark-up and scripting languages.</i>	3
<b>Spring Semester Total</b>	<b>6</b>
<b>Year 2 Program Total</b>	<b>12</b>
<b>Level I Certificate of Completion Information Technology &amp; Security</b>	

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

# Information Technology and Security Academy

Level I Certificate of Completion  
Computer Desktop Support Technician



Level I Certificate of Completion  
Information Technology & Security

ASSOCIATE OF APPLIED SCIENCES

## Computer Support Specialist

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

DC/ITSA: 29      Total AAS Hours: 60

Hours needed Post DC/ITSA: 31      General Academics: 15  
Specific Hours: 45

\* See San Antonio College degree description for more information: <http://mysaccatalog.alamo.edu/>