



INFORMATION TECHNOLOGY

Program Description & Curriculum

About the Program

This program will prepare individuals to troubleshoot, repair, and maintain computer systems and basic local area network problems. Students will also learn to operate a computer using current operating system software and use current application software for manipulating spreadsheets, databases, and word processing documents.

The program includes instruction in operating systems and applications; systems design and analysis; networking theory and solutions; types of networks; network management and control; network and flow optimization; security; configuring; and troubleshooting. Electives will be provided to prepare students to successfully implement, manage, and troubleshoot the ongoing needs of Microsoft Windows based operating environments.

The curriculum provides both knowledge acquisition and skills development for those who are currently working in the Information Technology (IT) field and would like to obtain industry-based certifications or for those who would like to prepare for employment in this field. The program is designed to prepare students to successfully pass national, industry-based exams such as CompTIA's A+, Network+, IC3, Microsoft MCSE and Microsoft MCSA.

Degrees/Certificates

Technical Diploma (TD)
 Certificate of Technical Studies (CTS)
 Technical Competency Area (TCA)

Available degrees and certificates may vary at each SCLTC campus. Check with your local campus for more information.

CIP 11.1001

INFORMATION TECHNOLOGY				
Course #	Course Title	Lecture/Lab Hours	Credit Hours	Clock Hours
ORNT 1000	Freshman Seminar	1/0	1	15
INTE 1100	Installation And Troubleshooting, Part I	1/2	3	120
INTE 1110	Installation And Troubleshooting, Part II	1/2	3	120
INTE 1200	Operating Systems	1/2	3	90
INTE 1210	Introduction To Programming	1/2	3	90
INTE 2110	Networking Technologies	1/2	3	120
JOBS 2450	Job Seeking Skills	2/0	2	30
Basic Program Core			18	585
<i>A Certificate of Technical Studies (CTS) requires the completion of the Basic Program Core (18 credit hours) plus the completion of courses required of the Computer Network Specialist, Computer Support Specialist, OR Network Associate CTS exit point as indicated below.</i>				
INTE 2120	Introduction to Basic Routers	1/2	3	90
INTE 2902	Internship	0/3	3	135
	Program Electives	Varies*	15	Varies*
CTS- Computer Network Specialist			39	Varies*
Course #	Course Title	Lecture/Lab Hours	Credit Hours	Clock Hours
INTE2840	Managing Network Security	1/2	3	90
INTE 2902	Internship	0/3	3	135
	Approved Program Electives	Varies*	15	Varies*
CTS – Computer Support Specialist			39	Varies*
INTE2120	Introduction to Basic Routers	1/2	3	90
INTE2130	Intermediate Routing And Switching	1/2	3	90
INTE2140	Wide Area Network Protocols	1/2	3	90
INTE2840	Managing Network Security	1/2	3	90
INTE2902	Internship	0/3	3	135
	Approved Program Electives	Varies	6	Varies*
CTS- Network Associate			39	Varies*
<i>A Technical Diploma in INFORMATION TECHNOLOGY requires the completion of the Basic Program Core (18 credit hours) plus the completion of courses required of the Computer Network Specialist, Computer Support Specialist, OR Network Associate CTS exit points and following courses as indicated below.</i>				
INTE 1010	Internet and Computing Literacy	1/2	3	90
INTE1300	Internet Technology	1/2	3	120
TD - Information Technology			45	Varies*

Program Electives: <i>Must be approved by your advisor and is based on offerings of the course each semester.</i>				
CPTR1310	Introduction to Database Management	2/1	3	60
CPTR1300	Introduction to Spreadsheets	2/1	3	60
CPTR2650	Advanced Database Application	2/1	3	60
INTE1250	Project Management	1/2	3	120
INTE1330	Introduction To Networking	1/2	3	90
INTE1800	Introduction to UNIX/LINUX	1/2	3	90
INTE2080	Application Infrastructure	1/2	3	90
INTE2095	Windows Server Enterprise Administrator	1/2	3	90
INTE 2120	Introduction to Basic Routers	1/2	3	90
INTE2130	Intermediate Routing And Switching	1/2	3	120
INTE2140	Wide Area Network Protocols	1/2	3	120
INTE2150	Advanced Routing	1/2	3	90
INTE2160	Remote Access	1/2	3	90
INTE2170	Multilayer Switching	1/2	3	90
INTE2180	Designing Networks	1/2	3	90
INTE2190	Internet Work Support	1/2	3	90
INTE2261	Desktop Support	1/2	3	90
INTE2820	Server Technology	1/2	3	90
INTE2830	Cabling Infrastructure	1/2	3	120
INTE2840	Managing Network Security	1/2	3	90
INTE2910	Home Technology Integrator	1/2	3	90
INTE2930	Enterprise Security Implementation	1/2	3	90
INTE2935	Advanced Security Implementation	1/2	3	90
TENG2530	Technical Report Writing	3/0	3	45
<i>With approval from the Chief Academic Officer, the following courses may be substituted for any of the above course requirements.</i>				
SPPR2991	Special Projects I	0/1	1	30
SPPR2993	Special Projects II	0/2	2	60
SPPR2995	Special Projects III	0/3	3	90
SPPR2996	Special Projects IV	3/0	3	45
SPPR2998	Special Projects V	1/0	1	15
INTE2997	Practicum	0/3	3	135
INTE2999	Cooperative Education	0/3	3	135
Other Certificate Exit Levels :				
INTE 1100	Installation And Troubleshooting, Part I	1/2	3	120
INTE 1200	Operating Systems	1/2	3	90
INTE 1110	Installation And Troubleshooting, Part II	1/2	3	120
TCA: Computer Technician			9	330
INTE 2110	Networking Technologies	1/2	3	120
INTE 2120	Introduction to Basic Routers	1/2	3	90
INTE2130	Intermediate Routing And Switching	1/2	3	90
INTE2140	Wide Area Network Protocols	1/2	3	90
TCA: Wide Area Network Technician			12	390
INTE 1100	Installation And Troubleshooting, Part I	1/2	3	120
INTE 1110	Installation And Troubleshooting, Part II	1/2	3	120
INTE 1200	Operating Systems	1/2	3	90
INTE 2110	Networking Technologies	1/2	3	120
TCA: System Support Technician			12	450
INTE 1010	Internet and Computing Literacy	1/2	3	90
CPTR1310	Introduction to Spreadsheet Development	2/1	3	60
CPTR1320	Introduction to Database Development	2/1	3	60
CPTR2650	Advanced Database Application	2/1	3	60
TCA: Desktop Application Specialist			12	270
INTE 1100	Installation And Troubleshooting, Part I	1/2	3	120
INTE 1200	Operating Systems	1/2	3	90
INTE 1110	Installation And Troubleshooting, Part II	1/2	3	120
INTE 2110	Networking Technologies	1/2	3	120
INTE 2120	Introduction to Basic Routers	1/2	3	90
TCA: LAN Technician			15	540

INTE 1100	Installation And Troubleshooting, Part I	1/2	3	120
INTE 1110	Installation And Troubleshooting, Part II	1/2	3	120
INTE 1200	Operating Systems	1/2	3	90
INTE 2110	Networking Technologies	1/2	3	120
INTE 2120	Introduction to Basic Routers	1/2	3	90
	Approved INTE Elective		3	Varies
CTS: Network Administrator			18	Varies
INTE 1100	Installation And Troubleshooting, Part I	1/2	3	120
INTE 1110	Installation And Troubleshooting, Part II	1/2	3	120
INTE 1200	Operating Systems	1/2	3	90
	Approved INTE Electives	Varies	9	Varies
CTS: System Analyst			18	Varies

Revised: June 8, 2016