

Northwest Louisiana Technical College

Information Technology

Program Description & Curriculum

About the Program

This program is divided into a basic core and a specialty networking area. The basic core courses of study 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.

Degrees/Certificates

Technical Diploma (TD)

Certificate of Technical Studies (CTS)

Technical Competency Area (TCA)

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

CIP 110901

Information Technology CURRICULUM				
Course #	Course Title	Lecture/ Lab Hours	Credit Hours	Clock Hours
<i>Core Courses for all Concentration Areas</i>				
ORNT 1000	Freshman Seminar	1/0	1	15
INTE 1100	Installation and Troubleshooting, Part I	1/2	3	90
INTE 1110	Installation and Troubleshooting, Part II	1/2	3	90
INTE 1200	Operating Systems	1/2	3	90
INTE 1210	Introduction to Programming	1/2	3	90
INTE 2110	Networking Technologies	1/2	3	90
JOBS 2450	Job Seeking Skills	2/0	2	30
Program Core Courses			18	495
<i>The Program Core PLUS the following courses comprise the Computer Network Specialist Concentration</i>				
INTE 2010	Introduction to Client/Server Networking	1/2	3	90
INTE 2020	Server Network Infrastructure	1/2	3	90
INTE 2030	Active Directory Infrastructure	1/2	3	90
INTE 2120	Introduction to Basic Routers	1/2	3	90
INTE 2902	Internship	0/3	3	135
Program Electives			12	360
TD – Information Technology (Computer Network Specialist Concentration)			45	1350
<i>The Program Core PLUS the following courses comprise the Computer Support Specialist Concentration</i>				
INTE 1900	Web Page Design	1/2	3	90
INTE 2840	Managing Network Security	1/2	3	90
INTE 2070	Administering & Managing SQL Server	1/2	3	90
INTE 2902	Internship	0/3	3	135
Program Electives			15	450
TD – Information Technology (Computer Support Specialist Concentration)			45	1350
<i>The program Core PLUS the following courses comprise the Network Associate Concentration</i>				
INTE 2120	Introduction to Basic Routers	1/2	3	90
INTE 2130	Intermediate Routing & Switching	1/2	3	90
INTE 2140	Wide Area Network Protocols	1/2	3	90

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INTE 2840	Managing Network Security	1/2	3	90
INTE 2902	Internship	0/3	3	135
Program Electives			12	360
TD – Information Technology (Network Associate Concentration)			45	1350
<i>Transferrable General Education Courses Required for AAS</i>				
ENGL 1015	English Composition I	3/0	3	45
MATH 1015	College Algebra	3/0	3	45
PSYC 2015	Introduction to Psychology	3/0	3	45
PHSC 1015	Physical Science	3/0	3	45
SPCH 1015	Introduction to Public Speaking	3/0	3	45
AAS – Information Technology			60	1575
<i>Approved Program Electives</i>				
CPTR 1310	Database Management	2/1	3	60
CPTR 1320	Spreadsheets	2/1	3	60
CPTR 2650	Advanced Database Application	2/1	3	60
INTE 1010	Internet & Computing Literacy	1/2	3	90
INTE 1210	Introduction to Programming	1/2	3	90
INTE 1250	Project Management	1/2	3	90
INTE 1300	Internet Technology	1/2	3	90
INTE 1330	Introduction to Networking	1/2	3	90
INTE 1800	Introduction to Unix/Linux	1/2	3	90
INTE 1900	Web Page Design	1/2	3	90
INTE 2015	Server Administrator	1/2	3	90
INTE 2020	Server Network Infrastructure	1/2	3	90
INTE 2030	Active Directory Infrastructure	1/2	3	90
INTE 2060	Implementing and Managing Email/Communication Server	1/2	3	90
INTE 2070	Administering & Managing SQL Server	1/2	3	90
INTE 2080	Application Infrastructure	1/2	3	90
INTE 2095	Window Server Enterprise Administrator	1/2	3	90
INTE 2120	Introduction to Basic Routers	1/2	3	90
INTE 2130	Intermediate Routing & Switching	1/2	3	90
INTE 2140	Wide Area Network Protocols	1/2	3	90
INTE 2150	Advanced Routing	1/2	3	90
INTE 2160	Remote Access	1/2	3	90
INTE 2170	Multilayer Switching	1/2	3	90
INTE 2180	Designing Networks	1/2	3	90
INTE 2190	Internetwork Support	1/2	3	90
INTE 2261	Desktop Support	1/2	3	90
INTE 2545	Network Security: Ethical Hacking	1/2	3	90
INTE 2820	Server Technology	1/2	3	90
INTE 2830	Cabling Infrastructure	1/2	3	90
INTE 2840	Managing Network Security	1/2	3	90
INTE 2850	Emerging Technologies	1/2	3	90
INTE 2855	Firewall Technology	1/2	3	90
INTE 2860	Wireless Technology	1/2	3	90
INTE 2910	Home Technology Integrator	1/2	3	90
INTE 2930	Enterprise Security Implementation	1/2	3	90
INTE 2935	Advanced Security Implementation	1/2	3	90
TENG 2530	Technical Report Writing	3/0	3	45
<i>With approval from the Chief Academic Officer/designee, the following courses may be substituted for any of the above course requirements</i>				
SPPR 2991	Special Projects I	0/1	1	30
SPPR 2993	Special Projects II	0/2	2	60

SPPR 2995	Special Projects III	0/3	3	90
SPPR 2996	Special Projects IV	3/0	3	45
SPPR 2998	Special Projects V	1/0	1	15
INTE 2997	Practicum	0/3	3	135
INTE 2999	Cooperative Education	0/3	3	135
Optional Electives				
CSRV 1000	Customer Service	3/0	3	45
CSRV 2000	Customer Service & Sales	3/0	3	45
ENTP 1000	Foundations of Entrepreneurship	3/0	3	45
KYBD 1010	Introduction to Keyboarding	3/0	3	45
Below are Certificate Exit Levels:				
INTE 1100	Installation and Troubleshooting, Part I	1/2	3	90
INTE 1110	Installation and Troubleshooting, Part II	1/2	3	90
TCA – Computer Technician			6	180
INTE 1200	Operating Systems	1/2	3	90
INTE 2010	Introduction to Client/Server Networking	1/2	3	90
INTE 2020	Server Network Infrastructure	1/2	3	90
INTE 2030	Active Directory Infrastructure	1/2	3	90
TCA – Server Administrator			12	360
INTE 2110	Networking Technologies	1/2	3	90
INTE 2120	Introduction to Basic Routers	1/2	3	90
INTE 2130	Intermediate Routing & Switching	1/2	3	90
INTE 2140	Wide Area Network Protocols	1/2	3	90
TCA – Wide Area Network Technician			12	360
INTE 1100	Installation and Troubleshooting, Part I	1/2	3	90
INTE 1110	Installation and Troubleshooting, Part II	1/2	3	90
INTE 1200	Operating Systems	1/2	3	90
INTE 2110	Networking Technologies	1/2	3	90
TCA – System Support Technician			12	360
INTE 1900	Web Page Design	1/2	3	90
INTE 1210	Introduction to Programming	1/2	3	90
INTE 2070	Administering & Managing SQL Server	1/2	3	90
TCA – Application Specialist			9	270
INTE 1010	Internet & Computing Literacy	1/2	3	90
CPTR 1310	Introduction to Spreadsheet Development	2/1	3	60
CPTR 1320	Introduction to Database Development	2/1	3	60
CPTR 2650	Advanced Database Application	2/1	3	60
TCA – Desktop Application Specialist			12	270
INTE 1100	Installation and Troubleshooting, Part I	1/2	3	90
INTE 1110	Installation and Troubleshooting, Part II	1/2	3	90
INTE 1200	Operating Systems	1/2	3	90
INTE 2110	Networking Technologies	1/2	3	90
INTE 2120	Introduction to Basic Routers	1/2	3	90
TCA – LAN Technician			15	450
INTE 1100	Installation and Troubleshooting, Part I	1/2	3	90
INTE 1110	Installation and Troubleshooting, Part II	1/2	3	90
INTE 1200	Operating Systems	1/2	3	90
INTE 2010	Introduction to Client/Server Networking	1/2	3	90
INTE 2110	Networking Technologies	1/2	3	90
INTE 2120	Introduction to Basic Routers	1/2	3	90
INTE Elective			3	90
CTS – Network Administrator			21	630
INTE 1100	Installation and Troubleshooting, Part I	1/2	3	90

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INTE 1110	Installation and Troubleshooting, Part II	1/2	3	90
INTE 1200	Operating Systems	1/2	3	90
INTE 2010	Introduction to Client/Server Networking	1/2	3	90
INTE 2020	Server Network Infrastructure	1/2	3	90
INTE 2030	Active Directory Infrastructure	1/2	3	90
CTS – System Analyst			18	540