

**2016/2017 Lenoir Community College Catalog Addendum
July 14, 2016**

On pages 206-209, remove Networking Technology programs of study. Information Technology-Network Management programs of study replaced the Networking Technology curriculum. Information Technology-Network Management is located on page 193.

NETWORKING TECHNOLOGY A25340

The Networking Technology curriculum prepares individuals for employment supporting network infrastructure environments. Students will learn how to use technologies to provide reliable transmission and delivery of data, voice, image, and video communications in business, industry, and education.

Course work includes design, installation, configuration, and management of network infrastructure technologies and network operating systems. Emphasis is placed on the implementation and management of network software and the implementation and management of hardware such as switches and routers.

Graduates may find employment in entry-level jobs as local area network managers, network operators, network analysts, and network technicians. Graduates may also be qualified to take certification examinations for various network industry certifications, depending on their local program.

Networking Technology

Associate in Applied Science Degree A25340

(Revised 2014*03) Course and Hour Requirements

Title	Hours Class	Lab	Work Exp.	Credits
I. General Education Courses: 15 Hours				
A. English: 6 Hours				
ENG 111 Writing and Inquiry	3	0	0	3
and ENG 112 Writing/Research in the Disc	3	0	0	3
or ENG 113 Literature-Based Research	3	0	0	3
or ENG 114 Prof Research & Reporting	3	0	0	3
B. Social/Behavioral Sciences: 3 Hours				
<i>Selected from the list of social/behavioral sciences electives for the Associate in Applied Science degree appearing in the current catalog.</i>				
C. Humanities/Fine Arts: 3 Hours				
<i>Selected from the list of humanities/fine arts electives for the Associate in Applied Science degree appearing in the current catalog.</i>				
D. Math/Natural Sciences: 3 Hours				
MAT 110 Math Measurement & Literacy	2	2	0	3
MAT 171 Precalculus Algebra	3	2	0	4
II. Major Courses: 53 Hours				
A. Core: 44 Hours				
CIS 110 Introduction to Computers	2	2	0	3
or CIS 111 Basic PC Literacy	1	2	0	2
CIS 115 Intro to Prog & Logic	2	3	0	3
CTS 115 Info Sys Business Concepts	3	0	0	3
CTS 120 Hardware/Software Support	2	3	0	3
DBA 110 Database Concepts	2	3	0	3
NET 125 Networking Basics	1	4	0	3
NET 126 Routing Basics	1	4	0	3
NET 225 Routing & Switching I	1	4	0	3
NET 226 Routing & Switching II	1	4	0	3
NET 289 Networking Project	1	4	0	3
NOS 110 Operating System Concepts	2	3	0	3
NOS 120 Linux/UNIX Single User	2	2	0	3

Networking Technology A25340 (Continued)

Title	Hours		Work	
	Class	Lab	Exp.	Credits
NOS 130 Windows Single User	2	2	0	3
NOS 220 Linux/UNIX Admin I	2	2	0	3
SEC 110 Security Concepts	2	2	0	3
B. Other Major Courses: 9 Hours				
1. Required: 3 Hours				
NOS 230 Windows Admin I	2	2	0	3
2. 6 hours selected from the following:				
CET 150 Computer Forensics I	2	3	0	3
CET 250 Computer Forensics II	2	3	0	3
CSC 134 C++ Programming	2	3	0	3
CSC 139 Visual BASIC Prog	2	3	0	3
CTS 130 Spreadsheet	2	2	0	3
WBL 111-112 Work-Based Learning I	0	0	10-20	1-2
WBL 121-122 Work-Based Learning II	0	0	10-20	1-2
WBL 131-132 Work-Based Learning III	0	0	10-20	1-2
III. Other Required Courses: 1 Hour				
ACA 111 College Student Success	1	0	0	1
Total Credits				69

Networking Technology Networking Certificate C25340C1 (Revised 2013*03) Course and Hour Requirements

Title	Hours		Work	
	Class	Lab	Exp.	Credits
I. General Education Courses: 0 Hours				
II. Major Courses: 17 Hours				
A. Core: 14 Hours				
CIS 110 Introduction to Computers	2	2	0	3
or CIS 111 Basic PC Literacy	1	2	0	2
NOS 110 Operating System Concepts	2	3	0	3
NOS 120 Linux/UNIX Single User	2	2	0	3
NOS 130 Windows Single User	2	2	0	3
SEC 110 Security Concepts	2	2	0	3
B. Other Major Courses: 3 Hours				
Select one of the following:				
NOS 220 Linux/UNIX Admin I	2	2	0	3
or NOS 230 Windows Admin I	2	2	0	3
Total Credits				17

Networking Technology
Basic Computer Repair Certificate* C25340C2
(Revised 2013*01) Course and Hour Requirements

II. Major Courses: 15 Hours

A. Core: 12 Hours				
CTS 120 Hardware/Software Support	2	3	0	3
NOS 110 Operating System Concepts	2	3	0	3
NOS 130 Windows Single User	2	2	0	3
SEC 110 Security Concepts	2	2	0	3
B. Other Major Courses: 3 Hours				
CIS 110 Introduction to Computers	2	2	0	3
Total Credits				15

*This certificate has been identified as a pathway for high school students participating in the Career and College Promise initiative.

Networking Technology
Router and Switching Skills Certificate C25340K1
(Revised 2013*03) Course and Hour Requirements

Title	Hours Class	Lab	Work Exp.	Credits
I. General Education Courses: 0 Hours				
II. Major Courses: 17 Hours				
A. Core: 15 Hours				
NET 125 Networking Basics	1	4	0	3
NET 126 Routing Basics	1	4	0	3
NET 225 Routing & Switching I	1	4	0	3
NET 226 Routing & Switching II	1	4	0	3
SEC 110 Security Concepts	2	2	0	3
B. Other Major Courses: 2 Hours (a maximum of 2 hours WBL is allowed)				
WBL 111-112 Work-Based Learning I	0	0	10-20	1-2
WBL 121-122 Work-Based Learning II	0	0	10-20	1-2
or CSC 134 C++ Programming	2	3	0	3
Total Credits				17

Networking Technology
Computer Forensics Skills Certificate C25340K2
(Revised 2013*03) Course and Hour Requirements

Title	Hours Class	Lab	Work Exp.	Credits
I. General Education Courses: 0 Hours				
II. Major Courses: 18 Hours				
A. Core: 12 Hours				
NOS 110 Operating System Concepts	2	3	0	3
NOS 120 Linux/UNIX Single User	2	2	0	3
NOS 130 Windows Single User	2	2	0	3
SEC 110 Security Concepts	2	0	3	
B. Other Major Courses: 6 Hours				
CET 150 Computer Forensics I	2	3	0	3
CET 250 Computer Forensics II	2	3	0	3
Total Credits				18

On page 274, add DMA 080 to chemistry 151 as a local prerequisite

CHM 151 General Chemistry I

3 0 0 4

Prerequisite: Local, DRE 098 and DMA 080

This course covers fundamental principles and laws of chemistry. Topics include measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, and solutions. Upon completion, students should be able to demonstrate an understanding of fundamental chemical laws and concepts as needed in CHM 152. *This course has been approved for transfer under the CAA as a general education course in Natural Science. This is a Universal General Education Transfer Component (UGETC) course.*

On page 188, Information Technology-Information Systems program code is A25590P.

INFORMATION TECHNOLOGY A25590P

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

**Information Technology
Information Systems
Associate in Applied Science Degree A25590P
(Revised 2016*03) Course and Hour Requirements**

Title	Hours Class	Lab	Work Exp.	Credits
I. General Education Courses: 18 Hours				
A. English: 6 Hours				
ENG 111 Writing and Inquiry	3	0	0	3
ENG 112 Writing/Research in the Disc	3	0	0	3
B. Social/Behavioral Sciences: 3 Hours				
SOC 210 Introduction to Sociology	3	0	0	3
C. Humanities/Fine Arts: 6 Hours				
<i>Selected from the list of humanities/fine arts electives for the Associate in Applied Science degree appearing in the current catalog.</i>				
and COM 231 Public Speaking	3	0	0	3
D. Math/Natural Sciences: 3 Hours				
MAT 110 Math Measurement & Literacy	2	2	0	3
or MAT 121 Algebra/Trigonometry I	2	2	0	3
or MAT 171 Precalculus Algebra	3	2	0	4
II. Major Courses: 51 Hours				
A. Core: 24 Hours				
1. Technical Core: 12 Hours				
CIS 110 Introduction to Computers	2	2	0	3
CTI 110 Web, Pgm, & Db Foundation	2	2	0	3
CTI 120 Network & Sec Foundation	2	2	0	3
CTS115 Info Sys Business Concepts	3	0	0	3

**Information Technology
Information Systems
Associate in Applied Science Degree A25590P (Continued)**

Title	Hours		Work	Credits
	Class	Lab	Exp.	
2.Required Subject Area: 12 Hours				
CIS 115 Intro to Prog & Logic	2	3	0	3
CTS 210 Computer Ethics	3	0	0	3
CTS 240 Project Management	2	2	0	3
CTS 289 System Support Project	1	4	0	3
B. Other Major Hours: 27 Hours				
1. Required: 18 hours				
CET 150 Computer Forensics I	2	3	0	3
CIS 160 MM Resources Integration	2	2	0	3
CTS 120 Hardware/Software Support	2	3	0	3
CTS 125 Presentation Graphics	2	2	0	3
CTS 130 Spreadsheet	2	2	0	3
CSC 139 Visual BASIC Programming	2	3	0	3
2. Select 9 hours from the following:				
CET 250 Computer Forensics II	2	3	0	3
CSC 134 C++ Programming	2	3	0	3
CSC 151 JAVA Programming	2	3	0	3
DBA 110 Database Concepts	2	3	0	3
NET 110 Networking Concepts	2	2	0	3
NOS 120 Linux/UNIX Single User	2	2	0	3
NOS 220 Linux/UNIX Admin I	2	2	0	3
NOS 230 Windows Administration I	2	2	0	3
WBL 111-112 Work-Based Learning I	0	0	10-20	1-2
WBL 121-122 Work-Based Learning II	0	0	10-20	1-2
WBL 131 Work-Based Learning III	0	0	10	1
III. Other Required Courses: 1 Hour				
ACA 111 College Student Success	1	0	0	1
Total Credits				70

On page 192, Add NOS-120 to the Information Technology-Healthcare Informatics, Other Major Requirements, Select 9 Hours requirement area.

**Information Technology
Healthcare Informatics A25590A
(Revised 2016*03) Course and Hour Requirements**

Title	Hours		Work	Credits
	Class	Lab	Exp.	
I. General Education Courses: 18 Hours				
A. English: 6 Hours				
ENG 111 Writing and Inquiry	3	0	0	3
ENG 112 Writing/Research in the Disc	3	0	0	3
B. Social/Behavioral Sciences: 3 Hours				
SOC 210 Introduction to Sociology	3	0	0	3
C. Humanities/Fine Arts: 6 Hours				
<i>Selected from the list of humanities/fine arts electives for the Associate in Applied Science degree appearing in the current catalog.</i>				
and COM 231 Public Speaking	3	0	0	3
D. Math/Natural Sciences: 3 Hours				
MAT 110 Math Measurement & Literacy	2	2	0	3
or MAT 121 Algebra/Trigonometry I	2	2	0	3
or MAT 171 Precalculus Algebra	3	2	0	4

II. Major Courses: 51 Hours

A. Core: 18 Hours					
1. Technical Core: 12 Hours					
	CIS 110 Introduction to Computers	2	2	0	3
	CTI 110 Web, Pgm, & Db Foundation	2	2	0	3
	CTI 120 Network & Sec Foundation	2	2	0	3
	CTS 115 Info Sys Business Concepts	3	0	0	3
2. Required Subject Area: 6 Hours					
	DBA 110 Database Concepts	2	3	0	3
	HBI 110 Issues and Trends in HBI	3	0	0	3
B. Other Major Hours: 33 Hours					
1. Required: 24 Hours					
	CTS 120 Hardware/Software Support	2	3	0	3
	CTS 210 Computer Ethics	3	0	0	3
	CTS 285 System Analysis & Design	3	0	0	3
	HBI 113 Survey of Med Insurance	3	0	0	3
	HBI 250 Data Mgmt and Utilization	2	2	0	3
	NET 110 Networking Concepts	2	2	0	3
	OST 141 Med Terms I-Med Office	3	0	0	3
	OST 142 Med Terms II-Med Office	3	0	0	3
2. Select 9 hours from the following:					
	CET 150 Computer Forensics I	2	3	0	3
	CET 250 Computer Forensics II	2	3	0	3
	CIS 160 MM Resources Integration	2	2	0	3
	CSC 134 C++ Programming	2	3	0	3
	CSC 151 JAVA Programming	2	3	0	3
	NOS 110 Operating System Concepts	2	3	0	3
add	NOS 120 Linux/UNIX Single User	2	2	0	3
	NOS 220 Linux/UNIX Admin I	2	2	0	3
	WBL 111-112 Work-Based Learning I	0	0	10-20	1-2
	WBL 121-122 Work-Based Learning II	0	0	10-20	1-2
	WBL 131 Work-Based Learning III	0	0	10	1
III. Other Required Courses: 1 Hour					
	ACA 111 College Student Success	1	0	0	1
Total Credits					
					70

On page 223, Supply Chain Management-Global Logistics Technology program code is A25620P.

Supply Chain Management A25620P

The Supply Chain Management curriculum prepares individuals for a multitude of career opportunities in distribution, transportation, warehousing, trucking operations, supply chain, and manufacturing organizations.

Course work includes the international and domestic movement of goods from the raw materials source(s) through production and ultimately to the consumer. Courses in economics and finance, transportation, warehousing, inventory control, material handling, purchasing, computerization, supply chain operations, federal transportation and safety regulations are emphasized.

Graduates should qualify for positions in a wide range of supply chain and logistics positions in government agencies, manufacturing, and service organizations. Employment opportunities include entry-level distribution, planning, material management, warehousing, inventory, transportation, trucking operations, international freight, and logistics.

Supply Chain Management Global Logistics Technology Associate in Applied Science Degree A25620P Course and Hour Requirements

Title	Hours	Lab	Work	Credits
	Class		Exp.	
I. General Education Courses: 15 Hours				
A. English: 6 Hours				

**Supply Chain Management
Global Logistics Technology A25620P (Continued)**

Title	Hours Class	Lab	Work Exp.	Credits
ENG 111 Writing and Inquiry	3	0	0	3
ENG 112 Writing/Research in the Disc	3	0	0	3
B. Social/Behavioral Sciences: 3 Hours				
ECO 251 Prin of Microeconomics	3	0	0	3
C. Humanities/Fine Arts: 3 Hours				
<i>Selected from the list of humanities/fine arts electives for the Associate in Applied Science degree appearing in the current catalog.</i>				
D. Math/Natural Sciences: 3 Hours selected from the following:				
MAT 121 Algebra/Trigonometry I	2	2	0	3
MAT 171 Precalculus Algebra	3	2	0	4
II. Major Courses: 51 Hours				
A. Core: 29 Hours				
1. Common Core: 13 Hours				
ACC 120 Prin of Financial Accounting	3	2	0	4
BUS 115 Business Law I	3	0	0	3
CIS 110 Introduction to Computers	2	2	0	3
LOG 110 Introduction to Logistics	3	0	0	3
2. Required Subject Area: 16 Hours				
LOG 125 Transportation Logistics	3	0	0	3
LOG 215 Supply Chain Management	3	0	0	3
LOG 235 Import/Export Management	3	0	0	3
LOG 240 Purchasing Logistics	3	0	0	3
LOG 250 Advanced Global Logistics	3	2	0	4
B. Other Major Courses: 22 Hours				
1. Required: 19 Hours				
BUS 137 Principles of Management	3	0	0	3
ECM 210 Intro to E-Commerce	2	2	0	3
INT 110 International Business	3	0	0	3
ISC 135 Principles of Industrial Mgmt	4	0	0	4
LOG 211 Distribution Management	2	2	0	3
TOM 120 Introduction to Trucking	3	0	0	3
2. Select 3 Hours from the following:				
ACC 121 Prin of Managerial Acct	3	2	0	4
BUS 116 Business Law II	3	0	0	3
CTS 130 Spreadsheet	2	2	0	3
LOG 225 Logistics Systems	3	2	0	4
WBL 111-112 Work-Based Learning I	0	0	10-20	1-2
WBL 121-122 Work-Based Learning II	0	0	10-20	1-2
III. Other Required Courses: 1 Hour				
ACA 111 College Student Success	1	0	0	1
or ACA 122 College Transfer Success	0	2	0	1
Total Credits				67

On page 228, Supply Chain Management-Trucking Operations Management Diploma, add LOG-215 to Other Major Requirements, Select 3 Hours requirement area.

Supply Chain Management Trucking Operations Management Diploma D25620TD Course and Hour Requirements				
Title	Hours Class	Lab	Work Exp.	Credits
I. General Education Courses: 6 Hours				
A. English: 3 Hours				
ENG 111 Writing and Inquiry	3	0	0	3
B. Math/Natural Sciences: 3 Hours selected from the following:				
MAT 121 Algebra/Trigonometry I	2	2	0	3
MAT 171 Precalculus Algebra	3	2	0	4
II. Major Courses: 37 Hours				
A. Core: 24 Hours				
1. Common Core:				
BUS 115 Business Law I	3	0	0	3
CIS 110 Introduction to Computers	2	2	0	3
LOG 110 Introduction to Logistics	3	0	0	3
2. Required Subject Area				
BUS 153 Human Resource Management	3	0	0	3
LOG 125 Transportation Logistics	3	0	0	3
TOM 120 Introduction to Trucking	3	0	0	3
TOM 130 Fleet Maintenance	3	0	0	3
TOM 250 Operations of Trucking I	3	0	0	3
B. Other Major Courses: 13 Hours				
1. Required: 10 Hours				
ACC 120 Prin of Financial Acct	3	2	0	4
ECM 210 Intro to E-Commerce	2	2	0	3
LOG 211 Distribution Management	2	2	0	3
2. Select 3 Hours from the following:				
ACC 121 Prin of Managerial Acct	3	2	0	4
ISC 135 Principles of Industrial Mgmt	4	0	0	4
LOG 215 Supply Chain Management	3	0	0	3
LOG 225 Logistics Systems	3	2	0	4
TOM 260 Operations of Trucking II	3	0	0	3
WBL 111-112 Work-Based Learning I	0	0	10-20	1-2
WBL 121-122 Work-Based Learning II	0	0	10-20	1-2
III. Other Required Courses: 1 Hour				
ACA 111 College Student Success	1	0	0	1
or ACA 122 College Transfer Success	0	2	0	1
Total Credits				44

On page 121, delete MKT 123 Fundamentals of Selling, from Select 3 hours requirement area.

BUSINESS ADMINISTRATION A25120

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy. Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making. Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Marketing
Associate in Applied Science Degree A25120A
(Revised 2015*03) Course and Hour Requirements

Title	Hours Class	Lab	Work Exp.	Credits
I. General Education Courses: 15 Hours				
A. English: 6 Hours				
Select two courses from the following:				
ENG 111 Writing and Inquiry	3	0	0	3
ENG 112 Writing/Research in the Disc	3	0	0	3
or ENG 114 Prof Research & Reporting	3	0	0	3
B. Social/Behavioral Sciences: 3 Hours				
ECO 252 Principles of Macroeconomics	3	0	0	3
C. Humanities/Fine Arts: 3 Hours				
Select one course from the following:				
ART 111 Art Appreciation	3	0	0	3
HUM 110 Technology and Society	3	3	0	0 3
MUS 110 Music Appreciation	3	0	0	3
D. Math/Natural Sciences: 3 Hours				
Select one course from the following:				
MAT 121 Algebra/Trigonometry I	2	2	0	3
or MAT 171 Precalculus Algebra	3	2	0	4
II. Major Courses: 53 Hours				
A. Technical Core: 38 Hours				
ACC 120 Prin of Financial Acct	3	2	0	4
BUS 110 Introduction to Business	3	0	0	3
BUS 115 Business Law I	3	0	0	3
BUS 137 Principles of Management	3	0	0	3
CIS 110 Introduction to Computers	3	2	2	0 3
ECO 251 Prin of Microeconomics	3	0	0	3
MKT 120 Principles of Marketing	3	0	0	3
MKT 123 Fundamentals of Selling	3	3	0	0 3
MKT 220 Advertising and Sales Promotion	3	0	0	3
MKT 225 Marketing Research	3	0	0	3
MKT 227 Marketing Applications	3	0	0	3
MKT 232 Social Media Marketing	3	2	0	4
B. Other Major Courses: 15 Hours				
1. Required: 12 Hours				
BUS 121 Business Math	2	2	0	3
BUS 270 Professional Development	3	3	0	0 3
MKT 121 Retailing	3	0	0	3
MKT 122 Visual Merchandising	3	0	0	3
2. Select 3 hours from the following: (Maximum of 3 hours of WBL are allowed)				
BUS 116 Business Law II	3	0	0	3
BUS 135 Principles of Supervision	3	0	0	3
BUS 152 Human Relations	3	0	0	3
BUS 230 Small Business Management	3	3	0	0 3
LOG 110 Introduction to Logistics	3	3	0	0 3
LOG 125 Transportation Logistics	3	0	0	3
Delete MKT 123 Fundamentals of Selling	3	0	0	3

**Business Administration-Marketing
Associate in Applied Science Degree A25120A (Continued)**

Title	Hours Class	Lab	Work Exp.	Credits
WBL 111-112 Work Based Learning I	0	0	10-20	1-2
WBL 121-122 Work Based Learning II	0	0	10-20	1-2
WBL 131 Work Based Learning III	0	0	10	1
 III. Other Required Courses: 1 Hour				
ACA 111 College Student Success	1	0	0	1
Total Credits				69