## Alternative Energy Technology Credential: Certificate in Biofuels Production C20130

This curriculum is designed to equip students with the skills needed to attain a technical position in the biofuels industry. Students learn the fundamentals of biofuels as well as laboratory and mechanical skills needed to conduct quality control testing and diagnose biofuels related problems. Upon completion of the program students will be employable in a variety of biofuels markets, including fuel production, analysis, marketing, and distribution. In addition, students will have an opportunity to create a business plan around any aspect of the biofuels industry.

Program Length: 3 Semesters Career Pathway Options: Associate in Applied Science in Biofuels Technology Program Sites: Pittsboro Campus – Day Program

Course Requirements for Biofuels Technician Degree

Required Major Core Classes (16 SHC)			
ALT 110	Biofuels I	3-0-3	
ALT 210	Biofuels II	3-2-4	
ALT 211	Biofuels Analytics	2-4-4	
BPM 110	<b>Bioprocessing Practices</b>	3-4-5	
		11-10-16	

Total Required Credit Hours for Graduation: 16

### **Business Technologies**

## Accounting Credential: Associate in Applied Science Degree in Accounting A25100

The Accounting curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting profession. Using the "language of business," accountants assemble and analyze, process, and communicate essential information about financial operations.

In addition to coursework in accounting principles, theories, and practice, students will study business law, finance, management, and economics. Related skills are developed through the study of Communication, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies. With work experience and additional education, an individual may advance in the accounting profession.

#### Program Length: 4 semesters

Career Pathway Options: Associate in Applied Science Degree in Accounting Program Sites: Lee County Campus - Day Program, Selected Evening; Distance Education

#### **Course Requirements for Accounting Degree**

Course Reg	un ements for Accounting Degree	
A. General I	Education Courses (16 SHC)	C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
ENG 114	Professional Research and Reporting	3-0-3
	Humanities/Fine Arts Elective	3-0-3
*MAT140	Survey of Mathematics	3-0-3
	Social/Behavioral Science Elective	3-0-3
B. Required	Major Core Courses (23/24 SHC)	
ACC 120	Principles of Financial Accounting	3-2-4
ACC 121	Principles of Managerial Accounting	3-2-4
ACC 129	Individual Income Taxes	2-2-3
ACC 220	Intermediate Accounting I	3-2-4
BUS 115	Business Law I	3-0-3
**CIS 110	Introduction to Computers	2-2-3
Select One (	3 SHC)	
ECO 151	Survey of Economics	3-0-3
ECO 251	Principles of Microeconomics	3-0-3
ECO 252	Principles of Macroeconomics	3-0-3
* Students n	nay substitute MAT 115 (nontransferable	;)

\* Students may substitute MAT 115 (nontransferable)

\*\*Students may substitute CIS 111 (nontransferable)

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C. Other Major Hours Required for Graduation (29 SHC)			
ACC 122	Principles of Financial Accounting II	3-0-3	
ACC 130	Business Income Taxes	2-2-3	
ACC 140	Payroll Accounting	1-2-2	
ACC 150	Accounting Software Applications	1-2-2	
ACC 221	Intermediate Accounting II	3-2-4	
ACC 227	Practices in Accounting	3-0-3	
BUS 110	Introduction to Business	3-0-3	
BUS 125	Personal Finance	3-0-3	
BUS 225	Business Finance	2-2-3	
Major electives		3/4-0-3/4	

Major Elective Course Listing (Select a minimum of 3 SHC)

SIIC)		
BUS 137	Principles of Management	3-0-3
BUS 153	Human Resource Management	3-0-3
BUS 280	REAL Small Business	4-0-4
CHI 111	Elementary Chinese I	3-0-3
ECO 151	Survey of Economics	3-0-3
ECO 251	Principles of Micro Economics	3-0-3
ECO 252	Principles of Macro Economics	3-0-3
MKT 120	Principles of Marketing	3-0-3
MKT 123	Fundamentals of Selling	3-0-3
MKT 223	Customer Service	3-0-3
SPA 111	Elementary Spanish I	3-0-3

Total Semester Hours Credit Required for Graduation: 68/69

#### Semester Curriculum for Accounting Degree

1st Semester	·(Fall)	C-L-SHC
ACC 120	Principles of Financial Accounting	3-2-4
BUS 110	Introduction to Business	3-0-3
BUS 125	Personal Finance	3-0-3
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
	Major Elective	3-0-3
	Economics Elective	3-0-3
		18-4-20
2nd Semeste	er (Spring)	
ACC 121	Principles of Managerial Accounting	3-2-4
ACC 122	Principles of Financial Accounting II	3-0-3
ACC 140	Payroll Accounting	1-2-2
ACC 150	Accounting Software Applications	1-2-2
*CIS 110	Introduction to Computers	2-2-3
**MAT 140	Survey of Mathematics	3-0-3
		13-8-17
Students may exit with diploma.		
3rd Semeste	r (Fall)	
ACC 129	Individual Income Taxes	2-2-3
ACC 220	Intermediate Accounting I	3-2-4
BUS 115	Business Law I	3-0-3
BUS 225	Business Finance	2-2-3
	Social/Behavioral Science Elective	3-0-3

13-6-16

4th Semeste	er (Spring)	
ACC 130	Business Income Taxes	2-2-3
ACC 221	Intermediate Accounting II	3-2-4
ACC 227	Practices in Accounting	3-0-3
ENG 114	Professional Research & Reporting	3-0-3
	Humanities Elective	3-0-3
		14-4-16
Tatal Came	aton Harrow Canadity (0/(0	

Total Semester Hours Credit: 68/69

\*Students may substitute CIS 111 (nontransferable) \*\*Students may substitute MAT 115 (nontransferable)

## Accounting Credential: Diploma in Accounting D25100

The Accounting curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting profession. Using the "language of business," accountants assemble and analyze, process, and communicate essential information about financial operations.

In addition to coursework in accounting principles, theories, and practice, students will study business law, finance, management, and economics. Related skills are developed through the study of communication, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies. With work experience and additional education, an individual may advance in the accounting profession.

Career Pathway Options: Associate in Applied Science Degree in Accounting Program Length: 2 semesters Program Sites: Lee County Campus – Day Program, Selected Evening; Distance Education

#### **Course Requirements for Accounting Diploma**

A. General I	Education (7 SHC)	C-L-SHC	
ENG 111	Expository Writing	3-0-3	
ENG 111A	Expository Writing Lab	0-2-1	
*MAT 140	Survey of Mathematics	3-0-3	
B. Required	Major Core Courses (13/14 SHC)		
ACC 120	Principles of Financial Accounting	3-2-4	
ACC 121	Principles of Managerial Accounting	3-2-4	
**CIS 110	Introduction to Computers	2-2-3	
Select One (	3 SHC)		
ECO 151	Survey of Economics	3-0-3	
ECO 251	Prin of Microeconomics	3-0-3	
ECO 252	Prin of Macroeconomics	3-0-3	
C. Other Major Hours Required for Graduation (16 SHC)			
		<u>´</u> 2 0 2	

ACC 122	Principles of Financial Accounting II	3-0-3
ACC 140	Payroll Accounting	1-2-2
ACC 150	Accounting Software Applications	1-2-2
BUS 110	Introduction to Business	3-0-3
BUS 125	Personal Finance	3-0-3
	Major Elective	3

Major Elective Course Listing (Select a minimum of 3SHC)BUS 137Principles of Management

BUS 153	Human Resource Management	3-0-3
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3-0-3

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BUS 280	REAL Small Business	4-0-4
CHI 111	Elementary Chinese I	3-0-3
ECO 151	Survey of Economics	3-0-3
ECO 251	Principles of Micro Economics	3-0-3
ECO 252	Principles of Macro Economics	3-0-3
MKT 120	Principles of Marketing	3-0-3
MKT 123	Fundamentals of Selling	3-0-3
MKT 223	Customer Service	3-0-3
SPA 111	Elementary Spanish I	3-0-3

Total Semester Hours Credit Required for Graduation: 36/37

#### Semester Day Sequence for Accounting Diploma

1st Semester (Fall)			
Principles of Financial Accounting	3-2-4		
Introduction to Business	3-0-3		
Personal Finance	3-0-3		
Expository Writing	3-0-3		
Expository Writing Lab	0-2-1		
Major Elective	3-0-3		
Economics Elective	3-0-3		
	18-4-20		
er (Spring)			
Principles of Managerial Accounting	3-2-4		
Principles of Financial Accounting	3-0-3		
Payroll Accounting	1-2-2		
Accounting Software Appl	1-2-2		
Introduction to Computers	2-2-3		
Survey of Mathematics	3-0-3		
	Principles of Financial Accounting Introduction to Business Personal Finance Expository Writing Expository Writing Lab Major Elective Economics Elective rr (Spring) Principles of Managerial Accounting Principles of Financial Accounting Payroll Accounting Accounting Software Appl Introduction to Computers		

Total Semester Hours Credit: 36/37

13-8-17

## Accounting Credential: Income Tax Preparer Certificate C25100T0

This certificate program is designed to prepare students for job opportunities in the accounting field in the specific area of income tax preparation. Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Accounting provided the student meets the entrance requirements for the Accounting program.

#### Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science Degree in Accounting, Diploma in Accounting (Higher entrance standards required), Payroll Accounting Certificate, Small Business Financial Advisor Certificate I and II.

Program Sites: Lee County Campus – Day Program, Selected Evening; Distance Education

#### **Course Requirements for Income Tax Preparer Certificate**

Required Major Core Courses (16 SHC)		C-L-SHC
ACC 120	Principles of Financial Accounting	3-2-4
ACC 122	Principles of Financial Accounting II	3-0-3
ACC 129	Individual Income Taxes	2-2-3
ACC 130	Business Income Taxes	2-2-3
BUS 125	Personal Finance	3-0-3

Total Semester Hours Credit Required for Graduation: 16

# Semester Curriculum for Income Tax Preparer Certificate

1st Semester (Fall)		C-L-SHC
ACC 120	Principles of Financial Accounting	3-2-4
ACC 129	Individual Income Taxes	2-2-3
BUS 125	Personal Finance	3-0-3
		8-4-10
2nd Semeste	er (Spring)	
ACC 122	Financial Accounting II	3-0-3
ACC 130	Business Income Taxes	2-2-3
		5-2-6
Total Semes	ster Hours Credit: 16	

## Accounting Credential: Payroll Accounting Certificate C25100P0

This certificate program is designed to prepare students for job opportunities in the accounting field in the specific area of payroll accounting. Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Accounting, provided the student meets the entrance requirements for the Accounting program.

#### Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science Degree in Accounting, Diploma in Accounting (Higher entrance standards required), Income Tax Preparer Certificate, Small Business Financial Advisor Certificate I and II.

Program Sites: Lee County Campus – Day Program, Selected Evening; Distance Education

## Course Requirements for Payroll Accounting Clerk Certificate

Required Ma	ajor Core Courses (16/17 SHC)	C-L-SHC
ACC 120	Principles of Financial Accounting	3-2-4
ACC 129	Individual Income Taxes	2-2-3
ACC 140	Payroll Accounting	1-2-2
ACC 150	Accounting Software Applications	1-2-2
BUS 125	Personal Finance	3-0-3
*CIS 110	Introduction to Computers	2-2-3

\* Students may substitute CIS 111 (nontransferable)

Total Semester Hours Credit Required for Graduation: 16/17

#### Semester Curriculum for Payroll Accounting Clerk Certificate

1st Semeste	er (Fall)	C-L-SHC
ACC 120	Principles of Financial Accounting	3-2-4
BUS 125	Personal Finance	3-0-3
*CIS 110	Introduction to Computers	2-2-3
		7/8-4-9/10
2nd Semest	er (Spring)	
ACC 129	Individual Income Taxes	2-2-3
ACC 140	Payroll Accounting	1-2-2
ACC 150	Accounting Software Applications	1-2-2
		4-6-7

\*Students may substitute CIS 111 (nontransferable)

## Accounting Credential: Small Business Financial Advisor I Certificate C25100S1

This certificate program is designed to prepare students for job opportunities in the accounting field in the specific area of small business financial management. Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Accounting, provided the student meets the entrance requirements for the Accounting program.

Entrance Standards: See General Admission Standards in catalog

Academic Standards: See General Academic Standards in catalog

Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science Degree in Accounting, Diploma in Accounting (Higher entrance standards required), Income Tax Preparer Certificate, Payroll Accounting Certificate, Small Business Financial Advisor Certificate II. Program Sites: Lee County Campus – Day Program, Selected Evening; Distance Education

#### Course Requirements for Small Business Financial Advisor I Certificate

C-L-SHC

A. Required	Major Core Courses (18 SHC)	
ACC 120	Principles of Financial Accounting	3-2-4
ACC 121	Principles of Managerial Accounting	3-2-4
ACC 140	Payroll Accounting	1-2-2
ACC 150	Accounting Software Applications	1-2-2
BUS 125	Personal Finance	3-0-3
MKT 120	Principles of Marketing	3-0-3

Minimum Total Semester Hours Credit Required for Graduation: 18

#### Semester Curriculum for Small Business Financial Advisor I Certificate

1st Semester ACC 120 BUS 125 MKT 120	r (Fall) Principles of Financial Accounting Personal Finance Principles of Marketing	C-L-SHC 3-2-4 3-0-3 3-0-3 9-2-10
2nd Semeste ACC 121 ACC 140 ACC 150 Total Semes	er (Spring) Principles of Managerial Accounting Payroll Accounting Accounting Software Applications ster Hours Credit: 18	3-2-4 1-2-2 1-2-2 5-6-8

## Accounting Credential: Small Business Financial Advisor II Certificate C25100S2

This certificate program is designed to prepare students for job opportunities in the accounting field in the specific area of small business financial management. Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Accounting, provided the student meets the entrance requirements for the Accounting program.

Entrance Standards: See General Admission Standards in catalog

NOTE: Completion of Small Business Financial Advisor I Certificate program or equivalent coursework is required prior to beginning this certificate program. Academic Standards: See General Academic Standards in catalog Program Length: 2 semesters

Career Pathway Options:Associate in Applied Science Degree in Accounting, Diploma in Accounting (Higher entrance standards required), Income Tax Preparer Certificate, Payroll Accounting Certificate and Small Business Financial Advisor I Certificate

Program Sites: Lee County Campus – Day Program, Selected Evening; Distance Education

## Course Requirements for Small Business Financial Advisor II Certificate

		C-L-DIIC
A. Required	d Major Core Courses (16 SHC)	
ACC 129	Individual Income Taxes	2-2-3
ACC 130	Business Income Taxes	2-2-3
BUS 137	Principles of Management	3-0-3
BUS 225	Business Finance	2-2-3
BUS 280	REAL Small Business	4-0-4

Minimum Total Semester Hours Credit Required for Graduation: 16

#### Semester Curriculum for Small Business Financial Advisor II Certificate

1st Semester (Fall)		C-L-SHC
ACC 129	Individual Income Taxes	2-2-3
BUS 137	Principles of Management	3-0-3
BUS 225	Business Finance	2-2-3
		7-4-9
2nd Semest	ter (Spring)	
ACC 130	Business Income Taxes	2-2-3
BUS 280	REAL Small Business	4-0-4
		6-2-7

## Business Administration Credential: - Associate in Applied Science Degree in 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.

Coursework 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.

Program Length: 4 semesters

Career Pathway Options: Associate in Applied Science Degree in Business Administration Program Sites: Lee Campus - Day Program Selected Evening Courses; Harnett Campus – Day Program; Distance Education

# Course Requirements for Business Administration Degree

Degree		
A. General Education Courses (16 SHC)		C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
ENG 114	Professional Research and Reporting	3-0-3
	Humanities/Fine Arts Elective	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
	Social/Behavioral Science Elective	3-0-3
B. Required	Major Core Courses (18/19 SHC)	
ACC 120	Principles of Financial Accounting	3-2-4
BUS 115	Business Law I	3-0-3
BUS 137	Principles of Management	3-0-3
**CIS 110	Introduction to Computers	2-2-3
MKT 120	Principles of Marketing	3-0-3
Choose One	(3 SHC)	
ECO 151	Survey of Economics	3-0-3
ECO 251	Principles of Microeconomics	3-0-3
ECO 252	Principles of Macroeconomics	3-0-3
C. Other Ma	ajor Hours Required (35 SHC)	
ACC 121	Principles of Managerial Accounting	3-2-4
BUS 110	Introduction to Business	3-0-3
BUS 125	Personal Finance	3-0-3
BUS 153	Human Resource Management.	3-0-3
		505

BUS 225	Business Finance	2-2-3
BUS 240	Business Ethics	3-0-3
BUS 255	Organizational Behavior in Business	3-0-3
BUS 260	Business Communication	3-0-3
BUS 285	Business Management Issues	2-2-3
COE 111	Co-op Work Experience I	0-10-1
MKT 223	Customer Service	3-0-3
Major Electi	ves	3

Major Elective Course Listing (Select a minimum of 3 SHC hours)

nouisj		
ACC 122	Principles of Financial Accounting II	3-0-3
ACC 140	Payroll Accounting	1-2-2
ACC 150	Accounting Software Applications	1-2-2
BUS 151	People Skills	3-0-3
BUS 270	Professional Development	3-0-3
BUS 280	REAL Small Business	4-0-4
CHI 111	Elementary Chinese I	3-0-3
ECO 151	Survey of Economics	3-0-3
ECO 251	Principles of Microeconomics	3-0-3
ECO 252	Principles of Macroeconomics	3-0-3
INT 110	International Business	3-0-3
MKT 123	Fundamentals of Selling	3-0-3
SPA 111	Elementary Spanish I	3-0-3

Total Semester Hours Credit Required for Graduation: 69/70

## Semester Curriculum for Business Administration Degree

1st Semester	r (Fall)	C-L-SHC
ACC 120	Principles of Financial Accounting	3-2-4
BUS 110	Introduction to Business	3-0-3
BUS 125	Personal Finance	3-0-3
	Economics Elective	3-0-3
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
		15-4-17
2nd Semeste	er (Spring)	
ACC 121	Principles of Managerial Accounting	3-2-4
BUS 137	Principles of Management	3-0-3
**CIS 110	Introduction to Computers	2-2-3
ENG 114	Professional Research and Reporting	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
MKT 120	Principles of Marketing	3-0-3
	16/	/17-4-18/19
3rd Semeste	r (Fall)	
BUS 115	Business Law I	3-0-3
BUS 225	Business Finance	2-2-3
BUS 240	Business Ethics	3-0-3
BUS 255	Organizational Behavior in Business	3-0-3
	Humanities/Fine Arts Elective	3-0-3
	Major Electives	3-0-3

4th Semester (Spring)

BUS 153 Human Resource Management	3-0-3
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17-2-18

BUS 260	Business Communication	3-0-3
BUS 285	Business Management Issues	2-2-3
COE 111	Co-op Work Experience I	0-10-1
MKT 223	Customer Service	3-0-3
	Social/Behavioral Science Elective	3-0-3

#### 14-12-16

\*Students may substitute MAT 115 (nontransferable). \*\*Student may substitute CIS 111 (nontransferable). Total Semester Hours Credit: 69/70

#### **Business Administration**

## **Credential: - Diploma in Business Management** D25120M0

The Business Management Diploma is designed to introduce students to basic management skills required for an entry-level position in business management. Coursework includes basic concepts in such areas as accounting, economics, business law, computer technology, management, and basic computation and communication. Graduates are prepared for entry-level employment opportunities in the area of management including employment in business and government agencies and financial institutions.

Program Length: 5 semesters Career Pathway Options: Associate in Applied Science Degree in Business Administration Program Sites: Lee Campus - Day and Evening; Harnett Campus - Day; Distance Education

Course Requirements for Business Management Diploma

A. General I	Education Courses (7 SHC)	C-L-SHC	
ENG 111	Expository Writing	3-0-3	
ENG 111A		0-2-1	
	Social/Behavioral Science Elective	3-0-3	
	Major Core Courses (15/16 SHC)		
ACC 120	Principles of Financial Accounting	3-2-4	
BUS 115	Business Law I	3-0-3	
BUS 137	Principles of Management	3-0-3	
*CIS 110	Introduction to Computers	2-2-3	
Choose One			
ECO 151	Survey of Economics	3-0-3	
ECO 251	Prin of Microeconomics	3-0-3	
ECO 252	Prin of Macroeconomics	3-0-3	
C. Other Ma	ijor Hours Required (16 SHC)		
ACC 121	Principles of Managerial Accounting	3-2-4	
BUS 110	Introduction to Business	3-0-3	
BUS 125	Personal Finance	3-0-3	
BUS 255	Organizational Behavior in Business	3-0-3	
Deb 255	Major Electives	3	
		-	
Major Elective Course Listing (Select a minimum of 3 SHC			
hours)			
ACC 122	Principles of Financial Accounting II	3-0-3	
ACC 140	Payroll Accounting	1-2-2	
BUS 151	People Skills	3-0-3	
BUS 280	REAL Small Business	4-0-4	

Total Semester Hours Credit Required for Graduation: 38/39

International Business

INT 110

3-0-3

### Semester Curriculum for Business Management Diploma

1st Semester	r (Fall)	C-L-SHC	
ACC 120		3-2-4	
BUS 125		3-0-3	
BUS 137	Principles of Management	3-0-3	
		9-2-10	
2nd Semeste	er (Spring)	210	
ACC 121		3-2-4	
*CIS 110	1 0 0	2-2-3	
010 110	Economics Elective	3-0-3	
	Leonomies Lieeuve	8-4-10	
3rd Semeste	r (Summer)	0-4-10	
	Expository Writing	3-0-3	
ENG 111A	Expository Writing Lab	0-2-1	
		3-2-4	
4th Semester	r (Fall)		
BUS 110	Introduction to Business	3-0-3	
BUS 255	Organizational Behavior in Business	3-0-3	
	Social/Behavioral Science Elective	3-0-3	
		9-0-9	
5th Semester	r (Spring)		
	Business Law I	3-0-3	
	Major Elective	3-0-3	
	5	6-0-6	
Total Semester Hours Credit: 38/39			

\*Students may substitute CIS 111 (nontransferable).

## **Business Administration** Credential: Manager Trainee Certificate C25120MO

This certificate program is designed to prepare students in the basic aspects of business management. Emphasized in the certificate program are basic concepts of management, business mathematics, marketing, business law, business principles, and human resources management. Students who complete the certificate requirements will be prepared for entry-level positions in management.

Entrance Requirement: General Admissions Standards in catalog

Academic Standards: See General Academic Standards in catalog. (No Placement testing is required for this

certificate program.)

Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science

Degree in Business Administration

Program Sites: Lee Campus – Day and Evening; Harnett Campus – Day; Distance Education

Campus – Day, Distance Education

Course Requirements for the Manager			
Trainee Certi	C-L-SHC		
BUS 110	Introduction to Business	3-0-3	
BUS 137	Principles of Management	3-0-3	
BUS 151	People Skills	3-0-3	
BUS 153	Human Resource Management	3-0-3	
*CIS 110	Introduction to Computers	2-2-3	
MKT 223	Customer Service	3-0-3	

Total Semester Hours Credit Required for Graduation: 17/18

1st Semester	C-L-SHC		
BUS 110	Introduction to Business	3-0-3	
BUS 137	Principles of Management	3-0-3	
MKT 223	Customer Service	3-0-3	
		9-0-9	
2nd Semester (Spring)			
BUS 151	People Skills	3-0-3	
BUS 153	Human Resource Management	3-0-3	
CIS 110	Introduction to Computers	2-2-3	
	7/8-2-8/9		

\*Student may substitute CIS 111 (nontransferable).

## **Business Administration** Credential: Entrepreneur Certificate C25120E0

This certificate program is designed to prepare students for self-employment through business ownership. Primary emphasis is placed on business planning and the skills necessary to be a successful entrepreneur. Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Business Administration.

Entrance Standards: See General Admission Standards in catalog Academic Standards: See General Academic Standards in catalog

Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science Degree in Business Administration (Higher entrance standards required)

Program Sites: Lee Campus – Day and Evening; Harnett Campus – selected day; Distance Education

Course Requirements for Entrepreneur Certificate

Required Major Core Courses (16/17 SHC)		C-L-SHC
ACC 120	Principles of Financial Accounting	3-2-4
BUS 137	Principles of Management	3-0-3
BUS 280	REAL Small Business	4-0-4
*CIS 110	Introduction to Computers	2-2-3
MKT 120	Principles of Marketing	3-0-3

Semester Curriculum for Entrepreneur Certificate

1st Semester (Fall)		C-L-SHC	
ACC 120	Principles of Financial Accounting	3-2-4	
BUS 137	Principles of Management	3-0-3	
BUS 280	REAL Small Business	4-0-4	
		10-2-11	
2nd Semester (Spring)			
*CIS 110	Introduction to Computers	2-2-3	
MKT 120	Principles of Marketing	3-0-3	
		4/5-2-5/6	
*Student m	av substitute CIS 111 (nontransforable)	or OST	

\*Student may substitute CIS 111 (nontransferable) or OST 137 (nontransferable).

Total Semester Hours Credit: 16/17

## **Computer Information Technology Credential: Associate in Applied Science Degree in Computer Information Technology A25260**

The Computer Information Technology (CIT) curriculum is designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible curriculum that can be customized to meet community information system needs.

Coursework will develop a student's ability to implement and support complex technical systems related to computer hardware, software, and networks. Classes cover computer operations and terminology, operating systems, database, networking, security, and technical support.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to manage information. Graduates should be prepared to sit for industry-recognized certification exams.

Program Length: 5 semesters Career Pathway Options: Associate in Applied Science in Computer Information Technology Program Site: Lee Campus - Day Program

Course Requirements for Computer Information Technology

A. General	Education Courses (16 SHC)	C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
ENG 114	Professional Research and Reporting	3-0-3
	Humanities/Fine Arts Elective	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
	Social/Behavioral Science Elective	3-0-3

\*Students may substitute MAT 115.

B. Required Major Core Courses (35/36 SHC)			
*CIS 110	Introduction to Computers	2-2-3	
CIS 115	Introduction to Programming and Logic	2-3-3	
CTS 115	Information Systems Business Concepts	3-0-3	
CTS 120	Hardware/Software Support	2-3-3	
CTS 285	Systems Analysis and Design	3-0-3	
CTS 289	System Support Project	1-4-3	
DBA 110	Database Concepts	2-3-3	
**NET 110	Networking Concepts	2-2-3	
NOS 110	Operating System Concepts	2-3-3	
NOS 130	Windows Single User	2-2-3	
NOS 230	Windows Administration I	2-2-3	
SEC 110	Security Concepts	3-0-3	

\*May substitute CIS 111 (2 SHC) – Nontransferable \*\*May substitute NET 125 – Networking Basics

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Other Requi	ired Hours (18 SHC)		
DBA 120		2-2-3	
WEB 140	Web Development Tools	2-2-3	
WLD 140	Technical Electives	9	
	Programming Elective	3	
	Flogramming Elective	3	
Technical E	lectives (Choose 9 SHC)		
CSC 134	C++ Programming	2-3-3	
CSC 139	Visual Basic Programming	2-3-3	
CSC 151	JAVA Programming	2-3-3	
CTS 130	Spreadsheet	2-2-3	
CTS 220	Advanced Hard/Software Support	2-3-3	
CTS 220 CTS 287	Emerging Technologies	3-0-3	
NOS 120	Linux/UNIX Single User	2-2-3	
105 120	Linux/ OTTX Single Oser	2-2-3	
Programmir	ng Elective (Choose 3 SHC)		
CSC 134	C++ Programming	2-3-3	
CSC 139	Visual Basic Programming	2-3-3	
CSC 151	JAVA Programming	2-3-3	
Total Semes	ster Credit Hours: 69/70		
i otar Senier			
	urriculum for CIT Classes		
1st Semester		-L-SHC	
ENG 111	Expository Writing	3-0-3	
ENG 111A	Expository Writing Lab	0-2-1	
CTS115	Information Systems Business Concepts	3-0-3	
CIS 110	Introduction to Computers	2-2-3	
WEB 140	Web Development Tools	2-2-3	
NOS 110	Operating System Concepts	2-3-3	
		12-9-16	
• • • •			
2nd Semeste		2.0.2	
MAT 140	Survey of Mathematics	3-0-3	
DBA 110	Database Concepts	2-3-3	
CIS 115	Introduction to Programming and Logic	2-3-3	
NOS 130	Windows Single User	2-2-3	
NET 110	Networking Concepts	2-2-3	
CTS 120	Hardware/Software Support	2-3-3	
	1:	3-13-18	
3rd Semeste	er (6 SHC)		
	Humanities/Fine Arts or Social/Behavioral	1	
LING 114 01	Science Elective	3-0-3	
FNG 114 or	Humanities/Fine Arts or Social/Behavioral		
LING 114 01	Science Elective	3-0-3	
		5-0-5 6-0-6	
		0-0-0	
4th Semeste	r (15 SHC)		
CTS 285	Systems Analysis and Design	3-0-3	
NOS 230	Windows Administration I	2-2-3	

NOS 230	Windows Administration I	2-2-3
Humanities	/Fine Arts or Social/Behavioral	
	Science Elective	3-0-3
Programmi	ng Elective	3
Technical H	Elective	3
5 <sup>th</sup> Semeste	er (15 SHC)	
CTS 289	System Support Project	1-4-3

SEC 110	Security Concepts	3-0-3
DBA 120	Database Programming I	2-2-3
	Technical Elective	3
	Technical Elective	3
		11-8-15

Total Semester Credit Hours: 69/70

## Computer Information Technology/Healthcare Business Informatics Credential: Associate in Applied Science Degree in Computer Information Technology with an Emphasis in Healthcare Business Informatics A25260HBI

The Computer Information Technology (CIT) curriculum is designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible curriculum that can be customized to meet community information system needs.

Coursework will develop a student's ability to implement and support complex technical systems related to computer hardware, software, and networks. Classes cover computer operations and terminology, operating systems, database, networking, security, and technical support.

The Healthcare Business Informatics emphasis prepares individuals for employment as specialists in installation, data management, data archiving/retrieval, system design and support, and computer training for medical information systems. Students study terminology relating to informatics, systems analysis, networking technology, computer/network security, data warehousing, archiving and retrieval of information, and healthcare computer infrastructure support.

Graduates should qualify for employment in entry-level positions with the healthcare industry, businesses, educational systems, and governmental agencies which rely on computer systems to manage information. Graduates should be prepared to sit for industry-recognized certification exams.

Program Length: 5 semesters Career Pathway Options: Associate in Applied Science in Computer Information Technology Program Site: Lee Campus - Day Program

Course Requirements for Computer Information Technology

A. General	Education Courses (16 SHC)	C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
ENG 114	Professional Research and Reporting	3-0-3
	Humanities/Fine Arts Elective	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
	Social/Behavioral Science Elective	3-0-3

\*Students may substitute MAT 115.

B. Required Major Core Courses (35/36 SHC)			
*CIS 110	Introduction to Computers	2-2-3	
CIS 115	Introduction to Programming and Logic	2-3-3	
CTS 115	Information Systems Business Concepts	3-0-3	

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CTS 120 CTS 285	Hardware/Software Support Systems Analysis and Design	2-3-3 3-0-3
CTS 289	System Support Project	1-4-3
DBA 110	Database Concepts	2-3-3
**NET 110	Networking Concepts	2-2-3
NOS 110	Operating System Concepts	2-3-3
NOS 130	Windows Single User	2-2-3
NOS 230	Windows Administration I	2-2-3
SEC 110	Security Concepts	3-0-3

\*May substitute CIS 111 (2 SHC) – Nontransferable \*\*May substitute NET 125 – Networking Basics

Other Required Hours (18 SHC)

Issues and Trends in HBI	3-0-3
Survey of Medical Insurance	3-0-3
Data Management and Utilization	2-2-3
Medical Terminology I	3-0-3
Medical Terminology II	3-0-3
Medical Legal Issues	3-0-3
	Survey of Medical Insurance Data Management and Utilization Medical Terminology I Medical Terminology II

Total Semester Credit Hours: 69/70

Semester Sequence for CIT/HBI Classes

	1	
1st Semester	· (16 SHC)	C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
CTS115	Information Systems Business Concepts	3-0-3
CIS 110	Introduction to Computers	2-2-3
HBI 110	Issues and Trends in HBI	3-0-3
NOS 110	Operating System Concepts	2-3-3
		12-9-16

2nd Semester	(18 SHC)
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MAT 140 Survey of Mathematics	3-0-3
DBA 110 Database Concepts	2-3-3
CIS 115 Introduction to Programming and Logic	2-3-3
NOS 130 Windows Single User	2-2-3
NET 110 Networking Concepts	2-2-3
CTS 120 Hardware/Software Support	2-3-3
1.	3-13-18

3rd Semester (6 SHC)

ENG 114 or Humanities/Fine Arts or Social/Behavioral	
Science Elective	3-0-3
ENG 114 or Humanities/Fine Arts or Social/Behavioral	
Science Elective	3-0-3
	6-0-6
Ath Somester (15 SUC)	

4th Semeste	er (15 SHC)	
CTS 285	Systems Analysis and Design	3-0-3
NOS 230	Windows Administration I	2-2-3
OST 141	Medical Terminology I	3-0-3
OST 149	Medical Legal Issues	3-0-3
HBI 250	Data Management and Utilization	2-2-3
	-	13-4-15

5<sup>th</sup> Semester (15 SHC)

CTS 289	System Support Project	1-4-3
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SEC 110	Security Concepts	3-0-3
OST 142	Medical Terminology II	3-0-3
HBI 113	Survey of Medical Insurance	3-0-3
Humanities/	/Fine Arts or Social/Behavioral	
	Science Elective	3-0-3
		13-4-15

Total Semester Credit Hours: 69/70

## **Computer Information Technology Credential: Diploma in Computer Information Technology D25260**

The Computer Information Technology (CIT) curriculum is designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible curriculum that can be customized to meet community information systems needs.

Coursework will develop a student's ability to communicate complex technical issues related to computer hardware, software, and networks in a manner that computer users can understand. Classes cover computer operations and terminology, operating systems, database, networking, security, and technical support. Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to manage information. Graduates should be prepared to sit for industry-recognized certification exams.

Program Length: 3 semesters

Career Pathway Options: Specialized Tracks of Study include: Database Programming, Network Technologist, Software Specialist, and Web Development Program Sites: Lee Campus - Day Program

Course Requirements for Computer Information

Technology Diploma			
General Edu	cation Courses (7 SHC)	C-L-SHC	
ENG 111	Expository Writing	3-0-3	
ENG 111A	Expository Writing Lab	0-2-1	
MAT 140	Survey of Mathematics	3-0-3	
B. Required	Major Core Courses (30 SHC)		
*CIS 110	Introduction to Computers	2-2-3	
CIS 115	Introduction to Programming and Logic	c 2-3-3	
CTS 115	Information Sys Bus Concepts	3-0-3	
CTS 120	Hardware/Software Support	2-3-3	
CTS 285	Systems Analysis and Design	3-0-3	
DBA 110	Database Concepts	2-3-3	
**NET 110	Networking Concepts	2-2-3	
NOS 110	Operating System Concepts	1-4-3	
NOS 130	Windows Single User	2-2-3	
NOS 230	Windows Administration I	2-2-3	

Total Semester Credit Hours: 37

\*May substitute CIS 111 (2 SHC) – Nontransferable \*\*May substitute NET 125 – Networking Basics

Semester Curriculum for Computer Information Technology Diploma

1st Semester (13 SHC)		C-L-SHC	
CTS115	Information Sys Business Concepts	3-0-3	
CIS 110	Introduction to Computers	2-2-3	
ENG 111	Expository Writing	3-0-3	
ENG 111A	Expository Writing Lab	0-2-1	
NOS 110	Operating System Concepts	2-3-3	
		10-7-13	
and Somosta	x (19 SHC)		
2nd Semeste	· /	• • • •	
CIS 115	Intro to Programming and Logic	2-3-3	
CTS 120	Hardware/Software Support	2-3-3	
DBA 110	Database Concepts	2-3-3	
MAT 140	Survey of Mathematics	3-0-3	
NET 110	Networking Concepts	1-4-3	
NOS 130	Windows Single User	2-2-3	
		12-15-18	
3rd Semester (6 SHC)			
CTS 285		202	
	Systems Analysis and Design	3-0-3	
NOS 230	Windows Administration I	2-2-3	
		5-2-6	

## **Computer Information Technology Credential: Certificate in Database Programming C25260DP**

Students will solve business computer problems through programming techniques and procedures, using appropriate languages and software. The primary emphasis of the curriculum is hands-on training in programming, database design, database application, and related computer areas that provide the ability to adapt as information systems evolve.

Graduates should qualify for employment in business, industry, and government organizations as entry-level programmers, programmer trainees, software developers, database developers, software specialists, or information managers.

Program Length: 2 semesters Career Pathway Options: Associate in Computer Information Technology Program Sites: Lee Campus - Day Program and Selected Evening Courses

Course Requirements for Database Programming Certificate

		C-L-SHC
CIS 110	Introduction to Computers	2-2-3
CIS 115	Introduction to Programming and Logic	2-3-3
	Programming Elective	2-3-3
DBA 110	Database Concepts	2-3-3
DBA 120	Database Programming I	2-2-3
Programmir	ng Elective (Choose 3 SHC)	
CSC 134	C++ Programming	2-3-3

CSC 134	C++ Programming	2-3-3
CSC 139	Visual Basic Programming	2-3-3
CSC 151	JAVA Programming	2-3-3

Total Semester Hours Credit: 15

## **Computer Information Technology Credential: Software Specialist Certificate C25260SS**

Students will be exposed to office applications at the intermediate and advanced level as well as database applications and operating systems at the entry-level. Student can choose between a Web development class and an entry-level programming class to complete the certificate. The primary emphasis of the curriculum is provide students with entry-level knowledge of computing applications.

Graduates should qualify for employment in business, industry, and government organizations as entry-level software specialists, helpdesk technicians, computer operators, or any position that requires intermediate data processing skills.

Program Length: 2 semesters Career Pathway Options: Associate in Computer Information Technology Program Sites: Lee Campus - Day Program and Selected Evening Courses

Course Requirements for Software

Specialist Certificate		C-L-SHC
*CIS 110	Introduction to Computers	2-2-3
CTS 130	Spreadsheet	2-2-3
DBA 110	Database Concepts	2-3-3
NOS 110	Operating System Concepts	2-3-3
(Select one)		
CSC 139	Visual Basic Programming	2-3-3
WEB 140	Web Development Tools	2-2-3
Total Semes	ter Hours Credit: 15	

\*Students may substitute CIS 111 (nontransferable).

## **Computer Information Technology Credential: Internet and Computing Core - IC3 Certificate C25260IC**

Students will solve general computer problems through computer literacy techniques using appropriate learning methods and procedures. The primary emphasis of the curriculum is hands-on training in word processing applications, spreadsheet applications, presentation applications, database applications, basic computer concepts, networking concepts, Internet concepts and other related computer areas that provide the ability to adapt as information systems evolve. Once course requirements are met, students will be prepared to take the globally recognized IC3 Certification Exam offered by Certiport.

Graduates should qualify for employment in business, industry, and government organizations as entry-level computer users.

Entrance Standards: See General Admission Standards in catalog

Academic Standards: See General Academic Standards in catalog

Program Length: 2 semesters

Career Pathway Options: Associate in Computer Information Technology or Networking Technology Program Sites: Lee Campus - Day and Evening Programs

Course Requirements for Software Specialist Certificate

		C-L-SHC
*CIS 110	Introduction to Computers	2-2-3
CTS 120	Hardware/Software Support	2-3-3
NET 110	Networking Concepts	2-2-3
NOS 110	Operating System Concepts	2-3-3

Total Semester Hours Credit: 12

\*Students may substitute CIS 111 (nontransferable).

## Computer Information Technology Credential: Computer Hardware/Troubleshooting Repair Certificate C25260HT

This certificate is designed for individuals interested in acquiring advanced technical skills and knowledge to maintain and repair personal computers. Students gain skills in selecting parts, upgrading, building, and configuring personal computers, and installing and configuring operating systems. Major topics include component identification, system configuration, memory, peripheral installation and configuration, device drivers, printers and communication devices, and troubleshooting and diagnostic techniques,. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/repair non-functioning personal computers. This certificate is designed to prepare students for the A+ Certification Examinations offered by CompTIA (Certified Hardware Technician).

Graduates should qualify for employment in business, industry, and government organizations as entry-level PC technicians, helpdesk technicians, or any generalist computer technician.

#### Program Length: 2 semesters

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Career Pathway Options: Associate in Computer Information Technology or Networking Technology Program Sites: Lee Campus – Day and Night Programs

Course Requirements for Hardware/Troubleshooting Certificate

Certificate		
Course No.	Course Name	C-L-SHC
*CIS 110	Introduction to Computers	2-2-3
CTS 120	Hardware/Software Support	2-3-3
CTS 220	Advanced Hard/Software Support	2-3-3
NET 110	Networking Concepts	2-2-3
NOS 110	Operating System Concepts	2-3-3
Total Semes	ter Hours Credit	14/15

\*Students may substitute CIS 111 (nontransferable).

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## **Human Resources Management Concentration Credential:** Associate in Applied Science **Degree in Human Resources Management** A2512C

Human Resources Management is a concentration under the curriculum title of Business Administration. The curriculum is designed to meet the demands of business and service agencies. The objective is the development of generalists and specialists in the administration, training and management of human resources.

Coursework includes studies in management, interviewing, placement, needs assessment, planning, compensation and benefits, and training techniques. Also included are topics such as people skills, learning approaches, skills building, and development of instructional and training materials.

Graduates from this program will have a sound business educational base for life-long learning.

Students will be prepared for employment opportunities in personnel, training and other human resources development areas.

Program Length: 8 semesters (Evening Program) Career Pathway Options: Associate in Applied Science Degree in Human Resources Management Program Sites: Lee Campus - Evening Program, Selected Day and Distance Courses

#### Course Requirements for Human Resources Management Degree

Degree		
A. General I	Education Courses (16 SHC)	C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
ENG 114	Professional Research and Reporting	3-0-3
	Humanities/Fine Arts Elective	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
	Social/Behavioral Science Elective	3-0-3
B. Required	Major Core Courses (33-34 SHC)	
BUS 115	Business Law I	3-0-3
BUS 137	Principles of Management	3-0-3
MKT 120	Principles of Marketing	3-0-3
Choose one	of the following courses in:	
Accounting	Elective	
ACC 115	College Accounting	3-2-4
ACC 120	Principles of Financial Accounting	3-2-4
**Computer	Applications Elective	
CIS 110	Introduction to Computers	2-2-3
CIS 111	PC Literacy	1-2-2
Economics I	Elective	
ECO 151	Survey of Economics	3-0-3
ECO 251	Principles of Microeconomics	3-0-3
ECO 252	Principles of Macroeconomics	3-0-3

Concentration (15 SHC)

BUS 217	Employment Law and Regulations	3-0-3
BUS 234	Training and Development	3-0-3
BUS 256	Recruiting, Selecting and Personnel Plan	ning3-0-3
BUS 258	Compensation and Benefits	3-0-3
BUS 259	HRM Applications	3-0-3
C. Other Ma	ajor Hours Required (19 SHC)	
BUS 151	People Skills	3-0-3
BUS 153	Human Resource Management	3-0-3
BUS 252	Labor Relations	3-0-3
BUS 261	Diversity in Management	3-0-3
COE 111	Co-op Work Experience I	0-10-1
ISC 121	Environmental Health and Safety	3-0-3
	Major Electives	3-0-3

#### Major Electives (Select a minimum of 3 SHC)

ACC 121	Principles of Managerial Accounting	3-2-4
ACC 122	Principles of Financial Accounting II	3-0-3
BUS 225	Business Finance	2-2-3
BUS 228	Business Statistics	2-2-3
BUS 240	Business Ethics	3-0-3
BUS 255	Organizational Behavior in Business	3-0-3
BUS 257	Testing and Assessment	3-0-3
BUS 260	Business Communication	3-0-3
CTS 130	Spreadsheet I	2-2-3
ISC 131	Quality Management	3-0-3
SPA 111	Elementary Spanish I	3-0-3

Total Semester Hours Credit: 68/69

Semester Curriculum for Human Resources Management Degree - Evening Program (Selected Courses are offered during the day.)

1st Semester	r (Fall)	C-L-SHC
BUS 115	Business Law I	3-0-3
BUS 137	Principles of Management	3-0-3
BUS 256	Recruiting, Selecting and Personne	l Planning3-0-3
**CIS 110	Introduction to Computers	2-2-3
	1	10/11-2-11/12
2nd Semeste	er (Spring)	
BUS 153	Human Resource Management	3-0-3
BUS 217	Employment Law and Regulations	3-0-3
	Economics Elective	3-0-3
		9-0-9
3rd Semeste	r (Summer)	
BUS 252	Labor Relations	3-0-3
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
		6-2-7
4th Semeste	r (Fall)	
BUS 234	Training and Development	3-0-3
BUS 258	Compensation and Benefits	3-0-3
MKT 120	Principles of Marketing	3-0-3
	Humanities/Fine Arts Elective	3-0-3
		12-0-12
Students ma	y exit with a diploma	
212201100 1110	J	

5th Semeste	r (Spring)	
BUS 151	People Skills	3-0-3
ISC 121	Environmental Health and Safety	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
		9-0-9
6th Semeste	r (Summer)	
COE 111	Co-op Work Experience I	0-10-1
	Major Elective	3-0-3
		3-10-4
7th Semeste	r (Fall)	
	Accounting Elective	3-2-4
ENG 114	Professional Research and Reporting	3-0-3
	Social/Behavioral Science Elective	3-0-3
		9-2-10
8th Semeste	r (Spring)	
BUS 259	HRM Applications	3-0-3
BUS 261	Diversity in Management	3-0-3
	-	6-0-6
Total Semes	ter Hours Credit: 68/69	

\*Students may substitute MAT 115 (nontransferable). \*\* Students may substitute CIS 111 (nontransferable)

## Human Resources Management Concentration Credential: Diploma in Human Resources Management D2512C

Human Resources Management Diploma is designed to provide training in the following areas of human resource management: general management strategies and techniques, employment law, employee training, employee recruitment, labor relations, and compensation and benefits. The Diploma option also provides training in economics, business law, marketing, and computer applications.

Graduates from this program will have a sound business educational base for lifelong learning. Students will be prepared for employment opportunities in personnel, training and other human resources development areas.

Program Length: 4 semesters (Evening Program) Career Pathway Options: Associate in Applied Science Degree in Human Resources Management Program Sites: Lee Campus - Evening Program, Selected Day and Distance Courses

Course Requirements for Human Resources Management Diploma

ENG 111	Education Courses (7 SHC) Expository Writing Expository Writing Lab Humanities/Fine Arts Elective	C-L-SHC 3-0-3 0-2-1 3-0-3
B. Required	Major Core Courses (32/33 SHC)	
BUS 115	Business Law I	3-0-3
BUS 137	Principles of Management	3-0-3
BUS 217	Employment Law and Regulations	3-0-3
BUS 234	Training and Development	3-0-3
BUS 256	Recruit Select and Personnel Planning	3-0-3
BUS 258	Compensation and Benefits	3-0-3
*CIS 110	Introduction to Computers	2-2-3
MKT 120	Principles of Marketing	3-0-3
Required Su Economics (	bject Areas (3 SHC) Select One)	
ECO 151	Survey of Economics	3-0-3
ECO 251	Principles of Microeconomics	3-0-3
ECO 252	Principles of Macroeconomics	3-0-3
C. Other Ma	jor Hours Required (6-SHC)	
BUS 153	Human Resource Management	3-0-3
BUS 252	Labor Relations	3-0-3

Total Semester Hours Required for the Diploma: 39/40

Evening Program for Human Resources Management Diploma

Dipionia		
1st Semester	(Fall)	C-L-SHC
BUS 115	Business Law I	3-0-3
BUS 137	Principles of Management	3-0-3
BUS 256	Recruit Select and Personnel Planning	3-0-3
*CIS 110	Introduction to Computers	2-2-3
	-	11-2-11/12
2nd Semester	r (Spring)	
BUS 153	Human Resource Management	3-0-3
BUS 217	Employment Law and Regulations	3-0-3
	Economics Elective	3-0-3
		9-0-9
3rd Semester	(Summer)	
BUS 252	Labor Relations	3-0-3
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
		6-2-7
4th Semester	(Fall)	
BUS 234	Training and Development	3-0-3
BUS 258	Compensation and Benefits	3-0-3
MKT 120	Principles of Marketing	3-0-3
	Humanities Elective	3-0-3
		12-0-12

\*Students may substitute CIS 111 (nontransferable). Total Semester Hours Credit: 39/40

### Human Resource Management Concentration Credential: Human Resources Management Certificate C2512C

The Human Resources Management Certificate program is designed to provide students with the skills to work in the area of human resources. Students who complete the certificate requirements should be prepared to work in a variety of work environments including business, industry, and educational settings. Specific emphasis will be placed on compensation and benefits, employee training and development, employment law and regulations, employee assessment and evaluation, and employee recruitment and planning. Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Human Resource Management.

Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science Degree in Human Resources Management Concentration

and Diploma in Human Resource Management

(Higher entrance standards required)

Program Sites:

Lee Campus – Evening Program, Selected Distance Courses

Course Requirements for Human Resource Management Certificate

Required M	Iajor Core Courses (18 SHC)C	C-L-SHC
BUS 217	Employment Law and Regulations	3-0-3
BUS 234	Training and Development	3-0-3
BUS 256	Recruiting, Selecting and Personnel Plng	g. <b>3-0-3</b>
BUS 258	Compensation and Benefits	3-0-3
	Major Electives	6-0-6
Elective (C	hoose 6 SHC)	
BUS 137	Principles of Management	3-0-3
BUS 151	People Skills	3-0-3
BUS 153	Human Resource Management	3-0-3
BUS 261	Diversity in Management	3-0-3

Total Semester Hours Credit Required for Graduation: 18

Semester Curriculum for Human Resource Management Certificate

1st Semester (Fall)

100000000000000000000000000000000000000		
BUS 234	Training and Development	3-0-3
BUS 256	Recruit Select and Personnel Planning	3-0-3
BUS 258	Compensation and Benefits	3-0-3
	-	9-0-9
2nd Semes	ter (Spring)	
BUS 217	Employment Law and Regulations	3-0-3
	Major Electives	6-0-6
	-	9-0-9
T + 10	· II - C - 1'- 10	

## Medical Office Administration Credential: Associate in Applied Science Degree in Medical Office Administration A25310

This curriculum prepares individuals for employment in medical and other health-care related offices. Coursework will include medical terminology, information systems, office management, medical coding, billing and insurance, legal and ethical issues, and formatting and word processing. Students will learn administration and support functions and develop skills applicable in medical environments. Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other healthcare related organizations.

Program Length: 5 semesters Career Pathway Options: Associate in Applied Science Degree in Medical Office Administration Program Sites: Lee and Harnett Campus – Day Program, Selected Distance Courses

Course Requirements for Medical Office Administration

A. General	Education Courses (16 SHC)	C-L-SHC	
ENG 111	Expository Writing	3-0-3	
ENG 111A	Expository Writing Lab	0-2-1	
	Humanities/Fine Arts Elective	3-0-3	
*MAT 115	Mathematical Models	3-0-3	
	Social/Behavioral Science Elective	3-0-3	
	Communications Elective (select 3 SH	IC)	
ENG 115	Oral Communication	3-0-3	
COM 110	Introduction to Communication	3-0-3	
COM 120	Intro Interpersonal Communication	3-0-3	
COM 140	Intro Intercultural Communication	3-0-3	
COM 231	Public Speaking	3-0-3	
*Students may substitute MAT 140 (transferable).			

B. Required Major Core Courses (28/29 SHC)			
**CIS 110 I	ntroduction to Computers	2-2-3	
OST 131	Keyboarding	1-2-2	
OST 134	Text Entry and Formatting	2-2-3	
OST 141	Medical Terms I – Medical Office	3-0-3	
OST 142	Medical Terms II – Medical Office	3-0-3	
OST 148	Medical Coding Billing and Insurance.	3-0-3	
OST 149	Medical Legal Issues	3-0-3	
OST 164	Text Editing Applications	3-0-3	
OST 243	Medical Office Simulation	2-2-3	
OST 289	Administrative Office Management	2-2-3	
**Students may substitute CIS 111 (nontransferable).			

C. Other Major Courses Required for Graduation (26 SHC)

ACC 115	College Accounting	3-2-4
COE 111	Co-op Work Experience I	0-10-1
CTS 130	Spreadsheet	2-2-3
OST 132	Keyboard Skill Building	1-2-2

OST 136 OST 184 OST 236 OST 241 OST 286	Word Processing Records Management Advanced Word/Information Processing Medical Office Transcription I Professional Development	2-2-3 2-2-3 2-2-3 1-2-2 3-0-3
	Major Electives (Select 2.0 credit hours from the following	2-0-2 list)
OST 242	Medical Office Transcription II	1-2-2
OST 248	Diagnostic Coding	1-2-2
OST 281	Emergency Issues in Medical Office	3-0-3
OST 285	Adv Emergency Issues in Medical Office	3-0-3

Total Semester Hours Required for Graduation: 70/71

Semester Curriculum for Medical Office Administration

Semester eu		ion
1st Semester	(Fall)	C-L-SHC
**CIS 110	Introduction to Computers	2-2-3
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
	Communication Elective	3-0-3
OST 131	Keyboarding	1-2-2
OST 184	Records Management	2-2-3
		11-8-15
2nd Semeste	r (Spring)	
OST 286	Professional Development	3-0-3
CTS 130	Spreadsheets	2-2-3
OST 132	Keyboard Skill Building	1-2-2
OST 134	Text Entry and Formatting	2-2-3
OST 136	Word Processing	2-2-3
OST 164	Text Editing Applications	3-0-3
		13-8-17
3rd Semester	(Summer)	
OST 236	Advanced Word/Information Processing	g 2-2-3
OST 289	Administrative Office Management	2-2-3
		4-4-6
4th Semester		
ACC 115	College Accounting	3-2-4
OST 141	Medical Terms I-Medical Office	3-0-3
OST 148	Medical Coding, Billing and Insurance	3-0-3
OST 149	Medical Legal Issues	3-0-3
	Social/Behavioral Science Elective	3-0-3
		15-2-16
5th Semester	(Spring)	
COE 111	Co-op Work Experience I	0-10-1
	Humanities/Fine Arts Elective	3-0-3
*MAT 115	Mathematical Models	2-2-3
OST 142	Medical Terms II-Medical Office	3-0-3
OST 241	Medical Office Transcription I	1-2-2
OST 243	Medical Office Simulation	2-2-3
	Major Elective	2-0-2
		12-18-17

\*Students may substitute MAT 140 (transferable). \*\*Student may substitute CIS 111 (nontransferable).

## Medical Office Administration Credential: Medical Office Insurance Coding Certificate (Distance Education) C25310IC

This program is designed to provide students with skills necessary for positions in medical and allied health facilities requiring a comprehensive knowledge of ICD-9 and CPT codes. This concentrated program provides training in medical terminology, coding, billing, and insurance procedures. Employment opportunities include medical offices, research facilities, health insurance companies, billing agencies, and allied health facilities. Upon completion of this training, students will be prepared to perform data entry associated to billing and recordkeeping of medical diagnosis, charges, and insurance documentation. Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Medical Office Administration provided the student meets the entrance requirements for that degree program.

Program Length: 2 Semesters

Career Pathway Options: Associate in Applied Science Degree in Medical Office Administration (Higher entrance standards required); Medical Office Insurance Coding Certificate. Program Sites: Distance Program

Lee and Harnett Campus – Day Program

Course Requirements for Medical Office Ins. Coding Certificate

Required Co	ourses (17/16 SHC)	C-L-SHC
*CIS 110	Introduction to Computers	2-2-3
OST 141	Medical Terms I-Medical Office	3-0-3
OST 142	Medical Terms II-Medical Office	3-0-3
OST 148	Medical Coding Billing and Insurance	3-0-3
OST 149	Medical Legal Issues	3-0-3
OST 248	Diagnostic Coding	1-2-2
*Students may substitute CIS 111 (nontransferable).		

Total Semester Hours Credit Required for Graduation: 17/16 SHC

Semester Curriculum for Medical Office Ins. Coding Certificate

1st Semester (Fall)		C-L-SHC
OST 141	Medical Terms I- Medical Office	3-0-3
OST 148	Medical Coding Billing and Insurance	3-0-3
OST 149	Medical Legal Issues	3-0-3
		9-0-9
2nd Semeste	er (Spring)	
*CIS 110	Introduction to Computers	2-2-3
OST 142	Medical Terms II-Medical Office	3-0-3
OST 248	Diagnostic Coding	1-2-2
		6-4-8

\*Students may substitute CIS 111 (nontransferable).

Total Semester Hours Credit: 17 SHC

## Medical Office Administration Credential: Medical Transcription Certificate C25310T0

This program is designed to provide the students with skills necessary to transcribe medical records for physicians in all medical disciplines. Specific skills include medical terminology, medical office procedures, medical transcription, and medical legal issues. Upon completion of this training, students will be prepared to transcribe for professional transcription agencies, hospitals, physician offices, and other health care agencies. Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Medical Office Administration provided the student meets the entrance requirements for that degree program.

Program Length: 2 Semesters Career Pathway Options: Associate in Applied Science Degree in Medical Office Administration (Higher entrance standards required); Medical Machine Transcription Certificate. Program Sites: Distance Program Lee and Harnett Campus – Day Program

Course Requirements for Medical Transcription Certificate

Required Courses (16 SHC)		C-L-SHC
OST 141	Medical Terms I-Medical Office	3-0-3
OST 142	Medical Terms II-Medical Office	3-0-3
OST 149	Medical Legal Issues	3-0-3
OST 164	Text Editing Applications	3-0-3
OST 241	Medical Office Transcription I	1-2-2
OST 242	Medical Office Transcription II	1-2-2

Total Semester Hours Credit Required for Graduation: 16 SHC

Semester Curriculum for Medical Transcription Certificate

1st Semeste	er (Fall)	C-L-SHC
OST 141	Medical Terms I- Medical Office	3-0-3
OST 149	Medical Legal Issues	3-0-3
OST 164	Text Editing Applications	3-0-3
		9-0-9
2nd Semes	ter (Spring)	
OST 142	Medical Terms II-Medical Office	3-0-3
OST 241	Medical Office Transcription I	
	(1 <sup>st</sup> minimester)	1-2-2
OST 242	Medical Office Transcription II	
	(2nd minimester)	1-2-2
		5-4-7
Total Semester Hours Credit: 16 SHC		

## Networking Technology Credential: Associate in Applied Science Degree in 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 communication in business, industry, and education.

Coursework 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 should 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.

Graduates should qualify for positions such as: LAN/PC administrator, microcomputer support specialist, network control operator, Communication technician/analyst, network/computer consultant, and information systems specialist. Graduates are also prepared to sit for certification exams that can result in industry-recognized credentials.

Program Length: 4 semesters Career Pathway Options: Specialized Networking Certificate Programs Program Sites: North Carolina School of Telecommunications. Day and selected evening courses. Corporate and career-centered programs.

Course Requirements for Networking Technology Degree

A. General Education Courses (16 SHC) C-L-S	-0-3
$\mathbf{FNC} 111 = \mathbf{F} \mathbf{W} \mathbf{W} \mathbf{W} \mathbf{W} \mathbf{W} \mathbf{W} \mathbf{W} W$	
ENG 111A Expository Writing Lab 0	-2-1
ENG 114 Professional Research and Reporting 3	-0-3
*MAT 140 Survey of Mathematics 3	-0-3
Humanities/Fine Arts Elective 3	-0-3
Social/Behavioral Science Elective 3	-0-3
B. Required Courses (45 SHC):	
CIS 110 Introduction to Computers 2	-2-3
CIS 115 Introduction to Programming and Logic 2	-3-3
CTS 120 Hardware/Software Support 2	-3-3
DBA 110 Database Concepts 2	-3-3
NET 125 Networking Basics 1	-4-3
NET 126 Routing Basics 1	-4-3

	Routing and Switching I	1-4-3
NET 226	Routing and Switching II	1-4-3
NOS 110	Operating Systems Concepts	2-3-3
NOS 120	Linux/UNIX Single User	2-2-3
NOS 130	Windows Single User	2-2-3
SEC 110	Security Concepts	3-0-3
Business – S	elect one:	
BUS 110	Introduction to Business	3-0-3
CTS 115	Information Systems Business Concept	
010110	information systems business concept	5 5 0 5
Design – Sel	ect one:	
NET 240	Network Design	3-0-3
NET 289	Networking Project	1-4-3
	vstem Administration. Select one:	
NOS 220	Linux/UNIX Administration I	2-2-3
C. Other Ma	jor Hours (select 6 SHC)	
CTS 220	Advanced Hardware/Software Support	2-3-3
CTS 287	Emerging Technologies	3-0-3
NET 113	Home Automation Systems	2-2-3
NET 115	Fundamentals of Voice/Data Cable	2-2-3
NET 175	Wireless Technologies	2-2-3
NET 230	Wide Area Networking	2-2-3
NOS 240	Novell Administration I	2-2-3
SEC 160	Security Fundamentals I	2-2-3
SEC 210	Intrusion Detection	2-2-3
SEC 240	Wireless Security	2-2-3
	ter Credit Hours: 67	
Semester Cu	rriculum for Networking Technology	
Semester Cu 1st Semester	rriculum for Networking Technology (21 SHC)	C-L-SHC
Semester Cu 1st Semester CIS 110	rriculum for Networking Technology (21 SHC) Introduction to Computers	2-2-3
Semester Cu 1st Semester CIS 110 NET 125	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics	2-2-3 1-4-3
Semester Cu 1st Semester CIS 110	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics	2-2-3 1-4-3 1-4-3
Semester Cu 1st Semester CIS 110 NET 125	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective	2-2-3 1-4-3 1-4-3 2-2-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3 2-2-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP)	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP)	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3 2-2-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semeste	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC)	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3 2-2-3 13-17-21
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semeste CTS 120 NET 225 NET 226	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Routing and Switching II	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semeste CTS 120 NET 225 NET 226 NOS 120	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Routing and Switching II Linux /UNIX Single User (Linux +)	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 2-2-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semeste CTS 120 NET 225 NET 226 NOS 120 NOS 220	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Routing and Switching II Linux /UNIX Single User (Linux +) Linux/UNIX Administration I	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 2-2-3 2-2-3 2-2-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semeste CTS 120 NET 225 NET 226 NOS 120	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Routing and Switching II Linux /UNIX Single User (Linux +)	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 2-2-3 2-2-3 3-0-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semeste CTS 120 NET 225 NET 226 NOS 120 NOS 220 SEC 110	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Routing and Switching II Linux /UNIX Single User (Linux +) Linux/UNIX Administration I Security Concepts	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 2-2-3 2-2-3 2-2-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semeste CTS 120 NET 225 NET 226 NOS 120 NOS 220 SEC 110 3rd Semester	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Enux /UNIX Single User (Linux +) Linux/UNIX Administration I Security Concepts	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 2-2-3 2-2-3 3-0-3 10-17-18
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semester CTS 120 NET 225 NET 226 NOS 120 NOS 220 SEC 110 3rd Semester ENG 111	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Routing and Switching II Linux /UNIX Single User (Linux +) Linux/UNIX Administration I Security Concepts r (10 SHC) Expository Writing	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 1-4-3 2-2-3 2-2-3 3-0-3 10-17-18 3-0-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semeste CTS 120 NET 225 NET 226 NOS 120 NOS 220 SEC 110 3rd Semester	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Routing and Switching II Linux /UNIX Single User (Linux +) Linux/UNIX Administration I Security Concepts r (10 SHC) Expository Writing Expository Writing Lab	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 2-2-3 2-2-3 2-2-3 3-0-3 10-17-18 3-0-3 0-2-1
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semeste CTS 120 NET 225 NET 226 NOS 120 NOS 220 SEC 110 3rd Semester ENG 111 ENG 111A	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Routing and Switching II Linux /UNIX Single User (Linux +) Linux/UNIX Administration I Security Concepts r (10 SHC) Expository Writing Expository Writing Lab Humanities/Fine Arts Elective	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 2-2-3 2-2-3 3-0-3 10-17-18 3-0-3 0-2-1 3-0-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semester CTS 120 NET 225 NET 226 NOS 120 NOS 220 SEC 110 3rd Semester ENG 111	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Routing and Switching II Linux /UNIX Single User (Linux +) Linux/UNIX Administration I Security Concepts r (10 SHC) Expository Writing Expository Writing Lab Humanities/Fine Arts Elective Network Design	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 2-2-3 2-2-3 2-2-3 3-0-3 10-17-18 3-0-3 0-2-1
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semeste CTS 120 NET 225 NET 226 NOS 120 NOS 220 SEC 110 3rd Semester ENG 111 ENG 111A	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Enux/UNIX Single User (Linux +) Linux/UNIX Single User (Linux +) Linux/UNIX Administration I Security Concepts r (10 SHC) Expository Writing Expository Writing Lab Humanities/Fine Arts Elective Network Design OR	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 2-2-3 2-2-3 3-0-3 10-17-18 3-0-3 0-2-1 3-0-3 3-0-3
Semester Cu 1st Semester CIS 110 NET 125 NET 126 NOS 110 NOS 130 2nd Semester CTS 120 NET 225 NET 226 NOS 120 NOS 220 SEC 110 3rd Semester ENG 111 ENG 111A NET 240	rriculum for Networking Technology (21 SHC) Introduction to Computers Networking Basics Routing Basics Networking Elective Networking Elective Operating Systems Concepts Windows Single User (MCP) r (18 SHC) Hardware/Software Support Routing and Switching I Routing and Switching II Linux /UNIX Single User (Linux +) Linux/UNIX Administration I Security Concepts r (10 SHC) Expository Writing Expository Writing Lab Humanities/Fine Arts Elective Network Design	2-2-3 1-4-3 1-4-3 2-2-3 2-2-3 2-3-3 2-2-3 13-17-21 2-3-3 1-4-3 1-4-3 2-2-3 2-2-3 3-0-3 10-17-18 3-0-3 0-2-1 3-0-3

**NET 225** 

Routing and Switching I

1-4-3

4th Semeste	r (18 SHC)	
BUS 110	Introduction to Business	3-0-3
	OR	
CTS 115	Info Sys Business Concepts	3-0-3
CIS 115	Intro to Programming and Logic	2-3-3
DBA 110	Database Concepts	2-3-3
ENG 114	Professional Research and Reporting	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
	Social/Behavioral Science Elective	3-0-3
		16-6-18

\*Students may substitute MAT 161

Total Semester Hours Credit: 67

## Networking Technology Credential: Diploma in Networking Technology D25340

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

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

Program Length: 4 Semesters Career Pathway Options: Associate in Applied Science Degree in Network Technology. Program Sites: North Carolina School of Telecommunications. Day and selected evening courses. Corporate and career-centered programs.

Course Requirements for Network Technology Diploma

A. General H	Education Courses (7 SHC)	C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
*MAT 140	Survey of Mathematics	3-0-3
-	Major Core Courses (33 SHC)	
CIS 115	Introduction to Programming and Logi	
CTS 120	Hardware/Software Support	2-3-3
DBA 110	Database Concepts	2-2-3
NET 125	Routing and Switching I	1-4-3
NET 126	Routing and Switching II	1-4-3
NOS 110	Operating Systems Concepts	2-2-3
NOS 120	Linux/UNIX Single User	2-2-3
NOS 130	Windows Single User	2-2-3
SEC 110	Security Concepts	3-0-3
C Paquirad	Subject Areas	
-	Subject Areas	
Basic Comp		
CIS 110	Introduction to Computers	2-2-3
Business (se	lect one course):	
	Introduction to Business	3-0-3
CTS 115	Information Systems Business Concept	
010110	Information Systems Dusiness Concept	.5 5-0-5

Total Semester Hours Required for Graduation: 40

Semester Curriculum for Diploma in Networking Technology

1st Semester	r (15 SHC)	C-L-SHC
CIS 110	Computer Concepts	2-2-3
NET 125	Networking Basics	1-4-3
NET 126	Routing Basics	1-4-3
NOS 110	Operating Systems Concepts	2-2-3
NOS 130	Windows Single User	2-2-3
		9-13-15
2nd Semeste	er (9 SHC)	
CTS 120	Hardware/Software Support	2-3-3
NOS 120	Linux/UNIX Single User	2-2-3
SEC 110	Security Concepts	3-0-3
		6-7-9
3rd Semeste	r (7SHC)	
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
*MAT 140	Survey of Mathematics	3-0-3
		6-2-7
4th Semester	r (9SHC)	
BUS 110	Introduction to Business	3-0-3
	OR	
CTS 115	Information Systems Business Concept	s 3-0-3
CIS 115	Introduction to Programming and Logic	2-3-3
DBA 110	Database Concepts	2-3-3
		7-6-9

\*Students may substitute MAT 161

Total Semester Hours Credit: 40

## Networking Technology Credential: Network Infrastructure Certificate C25340NI

The Network Infrastructure Certificate is a certificate under the curriculum title of Network Technology. This curriculum prepares students to understand and install various models of Cisco routers and switches. This curriculum also develops operating skills needed to successfully manage and support these devices.

Coursework includes extensive hands-on experience with different network electronics and support tools. Classes cover installation and support of various network electronics, management software, troubleshooting, and administrative responsibilities.

Graduates should qualify for positions such as: LAN/PC Administrator, Network Control Operator, Network Analyst, and Information Systems Specialist. Graduates are also prepared to sit for certification exams that can result in industry-recognized credentials. Credits earned in this certificate program will transfer into the Associate in Applied Science Degree in Network Technology. Students must meet the higher entrance requirements.

Program Length: 2 Semesters

Career Pathway Options: Associate in Applied Science Degree in Network Technology. Program Sites: North Carolina School of Telecommunications. Day and selected evening courses. Corporate and career-centered programs.

Course Requirements for Network Infrastructure Certificate

Required M	fajor Core Courses (12 SHC)	C-L-SHC
NET 125	Routing and Switching I	1-4-3
NET 126	Routing and Switching II	1-4-3
NET 225	Adv. Routing and Switching I	1-4-3
NET 226	Adv. Routing and Switching II	1-4-3
		4-16-12

## Networking Technology Credential: Network Operating System Certificate C25340N0

The Network Operating System is a certificate under the curriculum title of Networking Technology. This curriculum Prepares students to understand various network operating systems and models. This curriculum also develops operating skills needed to successfully manage and support these devices.

Coursework includes extensive hands-on experience with different network operating systems and tools. Classes cover installation and support of various network operating systems, security electronics, security and intrusion detection software, troubleshooting, administrative responsibilities, and other tools. Graduates should qualify for position such as: LAN/PC network operating systems administrator, technician, and personal computer technician.

Graduates are also prepared to sit for certification exams that can result in industry-recognized credentials. Credits earned in this certificate program will transfer into the Associate in Applied Science Degree in Networking Technology. Students must meet the higher entrance requirements.

Program Length: 2 semesters Career Pathway Options: Associate in Applied Science Degree in Networking Technology Program Sites: North Carolina School of Telecommunications. Day and selected evening courses. Corporate and career-centered programs.

Course Requirements for Network Security Certificate

Required M	ajor Core Courses (12 SHC)	C-L-SHC
NOS 110	Operating Systems Concepts	2-2-3
NOS 120	Linux/UNIX Single User	2-2-3
NOS 130	Windows Single User	2-2-3
NOS 220	Linux/UNIX Administration I	2-2-3

Total Semester Hours Credit Needed for Graduation: 12

## Networking Technology Credential: Network Security Certificate C25340SE

The Network Security Certificate is a certificate under the curriculum title of Network Technology. This curriculum prepares students to understand and install various types of security tools and models. This curriculum also develops operating skills needed to successfully manage and support these devices.

Coursework includes extensive hands-on experience with different network electronics, operating systems, and security tools. Classes cover installation and support of various security electronics, security and intrusion detection software, troubleshooting, administrative responsibilities, and other security tools.

Graduates should qualify for positions such as: LAN/PC security technician, security control operator, and network security technician. Graduates are also prepared to sit for certification exams that can result in industry-recognized credentials. Credits earned in this certificate program will transfer into the Associate in Applied Science Degree in Network Technology. Students must meet the higher entrance requirements.

Program Length: 2 semesters Career Pathway Options: Associate in Applied Science Degree in Networking Technology. Program Sites: North Carolina School of Telecommunications. Day and selected evening courses. Corporate and career-centered programs.

Course Requirements for Network Security Certificate

Required Major Core Courses (12 SHC)		C-L-SHC
NET 125	Networking Basics	1-4-3
SEC 110	Security Concepts	3-0-3
SEC 160	Security Fundamentals I	2-2-3
SEC 210	Intrusion Detection	2-2-3
		8-8-12

## Networking Technology Credential: Wireless Networking Certificate C25340WN

The Wireless Networking Certificate is a certificate under the curriculum title of Networking Technology. This curriculum prepares students to understand and install various models of wireless routers and switches. This curriculum also develops operating skills needed to successfully install, manage, and support these devices.

Coursework includes extensive hands-on experience with different network electronics and support tools. Classes cover installation and support of various wireless network electronics, management software, troubleshooting, and administrative responsibilities.

Graduates should qualify for positions such as: LAN/PC administrator, network control operator, network analyst, and information systems specialist. Graduates are also prepared to sit for certification exams that can result in industry-recognized credentials. Credits earned in this certificate program will transfer into the Associate in Applied Science Degree in Network Technology. Students must meet the higher entrance requirements.

Program Length: 2 semesters Career Pathway Options: Associate in Applied Science Degree in Networking Technology Program Sites: North Carolina School of Telecommunications. Day and selected evening courses. Corporate and career-centered programs.

Course Requirements for Wireless Networking Certificate

Required Major Core Courses (12 SHC)		C-L-SHC
NET 125	Networking Basics	1-4-3
NET 126	Routing Basics	1-4-3
NET 175	Wireless Technologies	2-2-3
SEC 110	Security Concepts	3-0-3
SEC 240	Wireless Security	2-2-3
		9-12-15

Total Semester Hours Credit: 15

## Networking Technology Credential: Small Office / Home Office Certificate (SOHO) C25340SH

The Small Office / Home Office Certificate (SOHO) is a certificate under the curriculum title of Networking Technology. This curriculum prepares students to understand and install various types of office and home network electronics. This curriculum also develops operating skills needed to successfully manage and support home and small office devices.

Coursework includes extensive hands-on experience with different network electronics and support tools. Classes cover installation and support of various network electronics, management software, troubleshooting, and administrative responsibilities.

Graduates should qualify for positions such as: LAN/PC administrator, network technician, network analyst, and information systems specialist. Graduates are also prepared to sit for certification exams that can result in industryrecognized credentials. Credits earned in this certificate program will transfer into the Associate in Applied Science Degree in Network Technology. Students must meet the higher entrance requirements.

Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science Degree in Networking Technology Program Sites: North Carolina School of Telecommunications. Day and selected evening courses. Corporate and career-centered programs.

Course Requirements for Small Office / Home Office Certificate (SOHO)

Required N	lajor Core Courses (12 SHC)	C-L-SHC
NET 113	Home Automation Systems	2-2-3
NET 125	Networking Basics	1-4-3
NET 126	Routing Basics	1-4-3
NET 175	Wireless Technologies	2-2-3
		6-12-12
- 1 a		

## Networking Technology Credential: Voice Over IP Certificate C25340TL

The Voice Over IP Certificate is a certificate under the curriculum title of Networking Technology. This curriculum prepares students to understand and install various types of Voice over IP tools and models. This curriculum also develops operating skills needed to successfully manage and support these devices.

Coursework includes extensive hands-on experience with different network electronics, operating systems, and Voice over IP tools. Classes cover installation and support of various Voice over IP electronics, Voice over IP software, troubleshooting, administrative responsibilities, and other tools.

Graduates should qualify for positions such as: LAN/PC VoIP technician and network VoIP technician. Graduates are also prepared to sit for certification exams that can result in industry-recognized credentials. Credits earned in this certificate program will transfer into the Associate in Applied Science Degree in Network Technology. Students must meet the higher entrance requirements.

Program Length: 2 semesters Career Pathway Options: Associate in Applied Science Degree in Networking Technology. Program Sites: North Carolina School of Telecommunications. Day and selected evening courses. Corporate and career-centered programs.

Course Requirements for Voice Over IP Certificate

Required Major Core Courses (15 SHC)		C-L-SHC
CIS 110	Introduction to Computers	2-2-3
NET 116	Fund of Voice/Data Cable	2-2-3
NET 125	Networking Basics	1-4-3
NET 126	Routing Basics	1-4-3
NET 230	Wide Area Networking	2-2-3
		8-14-15

Total Semester Hours Credit: 15

## Office Administration Credential: Associate in Applied Science Degree in Office Administration A25370

The Office Administration Curriculum prepares individuals for positions in administrative support careers. It equips office professionals to respond to the demands of a dynamic computerized workplace.

Students will complete courses designed to develop proficiency in the use of integrated software, oral and written communication, analysis and coordination of office duties and systems, and other support topics. Emphasis is placed on non-technical as well as technical skills.

Graduates should qualify for employment in a variety of positions in business, government, and industry. Job classifications range from entry level to supervisor to middle management.

Program Length: 5 semesters Career Pathway Options: Associate in Applied Science Degree in Office Systems Technology Program Sites: Lee and Harnett Campus - Day Program, Selected Distance Courses

Course Requirements for Office Administration DegreeA. General Education Courses (16 SHC)C-L-SHCENG 111Expository Writing3-0-3ENG 111AExpository Writing Lab0-2-1Humanities/Fine Arts Elective3-0-3\*MAT 115Mathematical Models2-2-3Social/Behavioral Science Elective3-0-3\*Students may substitute MAT 140 (transferable).

Communications Elective (Select 3 SHC) ENG 115 Oral Communication 3-0-3 COM 110 Introduction to Communication 3-0-3 COM 120 Intro Interpersonal Communication 3-0-3 COM 140 Intro Intercultural Communication 3-0-3 COM 231 Public Speaking 3-0-3

B. Required Major Core Courses (14/15 SHC) \*\*CIS 110 Introduction to Computers 2 - 2 - 3**OST 134** Text Entry and Formatting 2 - 2 - 3OST 164 Text Editing Applications 3-0-3 OST 184 **Records Management** 2-2-3 Administrative Office Management **OST 289** 2-2-3 \*\*Students may substitute CIS 111 (nontransferable).

C. Other Major Hours Required for Graduation (40 SHC)

ACC 115	College Accounting	3-2-4
BUS 115	Business Law I	3-0-3
COE 111	Co-op Work Experience I	0-10-1
CTS 130	Spreadsheets	2-2-3
OST 131	Keyboarding	1-2-2

OST 132	Keyboard Skill Building	1-2-2
OST 135	Advanced Text Entry and Format	3-2-4
OST 136	Word Processing	2-2-3
OST 137	Office Software Applications	2-2-3
OST 138	Advanced Software Application	2-2-3
OST 181	Intro to Office Systems	2-2-3
OST 233	Office Publications Design	2-2-3
OST 236	Advanced Word/Information Processing	2-2-3
OST 286	Professional Development	3-0-3

Total Semester Hours Credit Required for Graduation: 70/71

Semester Cu	rriculum for Office Administration I	Degree	
1st Semester	1st Semester (Fall) C-L-SHC		
**CIS 110	Introduction to Computers	2-2-3	
ENG 111	Expository Writing	3-0-3	
ENG 111A	Expository Writing Lab	0-2-1	
	Communication Elective	3-0-3	
OST 131	Keyboarding	1-2-2	
OST 184	Records Management	2-2-3	
	1	0/11-8-14/15	
2nd Semeste	r (Spring)		
CTS 130	Spreadsheet	2-2-3	
OST 132	Keyboard Skill Building	1-2-2	
OST 134	Text Entry and Formatting	2-2-3	
OST 136	Word Processing	2-2-3	
OST 164	Text Editing Applications	3-0-3	
OST 286	Professional Development	3-0-3	
		13-10-17	
3rd Semester	r (Summer)		
OST 236	Advanced Word/Information Proces	ssing 2-2-3	
OST 289	Administrative Office Management	2-2-3	
	6	4-4-6	
4th Semester	(Fall)		
ACC 115	College Accounting	3-2-4	
OST 135	Advanced Text Entry and Format	3-2-4	
OST 137	Office Software Applications	2-2-3	
OST 233	Office Publications Design	2-2-3	
	Social/Behavioral Science Elective	3-0-3	
		13-8-17	
5th Semester	(Spring)		
BUS 115	Business Law	3-0-3	
COE 111	Co-op Work Experience I	0-10-1	
	Humanities/Fine Arts Elective	3-0-3	
*MAT 115	Mathematical Models	2-2-3	
OST 138	Advanced Software Applications	2-2-3	
OST 181	Intro to Office Systems	2-2-3	
	-	10-16-16	
Total Semes	Total Semester Hours Credit: 70/71		

## Office Administration Credential: Office Administration Diploma D25370

The Office Administration Curriculum prepares individuals for positions in administrative support careers. It equips office professionals to respond to the demands of a dynamic computerized workplace. Students will complete courses designed to develop proficiency in the use of integrated software, oral and written communication, analysis and coordination of office duties and systems, and other support topics. Emphasis is placed on non-technical as well as technical skills.

Graduates should qualify for employment in a variety of entry-level positions in business, government, and industry. Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Office Systems Technology and Associate in Applied Science Degree in Medical Office Administration provided the student meets the entrance requirements for the degree program.

Program Length: 3 semesters

Career Pathway Options: Associate in Applied Science Degree in Office Systems Technology, Associate in Applied Science Degree in Medical Office Administration, Office Systems Technology Diploma. Program Sites: Distance Programs Lee and Harnett Campus - Day Program

Course Requirements for Office Administration Diploma

A. General l	Education Courses (10 SHC)	C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
	Communications Elective	3-0-3
	Social/Behavioral Science Elective	3-0-3
Communica	tions Elective (Select 3 SHC)	
ENG 115	Oral Communication	3-0-3
COM 110	Introduction to Communication	3-0-3
COM 120	Intro Interpersonal Communication	3-0-3
COM 140	Intro Intercultural Communication	3-0-3
COM 231	Public Speaking	3-0-3
B. Required	Major Core Courses (14-15 SHC)	
*CIS 110	Introduction to Computers	2-2-3
OST 134	Text Entry and Formatting	2-2-3
OST 164	Text Editing Applications	3-0-3
OST 184	Records Management	2-2-3
OST 289	Administrative Office Management	2-2-3
*Students m	av substitute CIS 111 (nontransferable)	

\*Students may substitute CIS 111 (nontransferable).

C. Other Major Hours Required for Graduation (16 SHC)

CTS 130	Spreadsheets	2-2-3
OST 131	Keyboarding	1-2-2
OST 132	Keyboard Skill Building	1-2-2
OST 136	Word Processing	2-2-3
OST 236	Advanced Word/Information Processing	2-2-3
OST 286	Professional Development	3-0-3
	Advanced Word/Information Processing	

Total Semester Hours Credit Required for Graduation: 40/41

Semester Curriculum for Office Administration Diploma			
1st Semester (Fall) C		C-L-SHC	
**CIS 110	Introduction to Computers	2-2-3	
ENG 111	Expository Writing	3-0-3	
ENG 111A	Expository Writing Lab	0-2-1	
	Communication Elective	3-0-3	
OST 131	Keyboarding	1-2-2	
OST 184	Records Management	2-2-3	
		11-8-15	
2nd Semeste	r (Spring)		
CTS 130	Spreadsheet	2-2-3	
OST 132	Keyboard Skill Building	1-2-2	
OST 134	Text Entry and Formatting	2-2-3	
OST 136	Word Processing	2-2-3	
OST 164	Text Editing Applications	3-0-3	
OST 286	Professional Development	3-0-3	
		13-8-17	
3rd Semester (Summer)			
OST 236	Advanced Word/Information Processing	2-2-3	
OST 289	Administrative Office Management	2-2-3	

Social/Behavioral Science Elective

Total Semester Hours Credit: 40/41

## Office Administration Credential: Information and Word Processing Certificate C25370W0

This certificate program provides the graduate with the basic keyboarding and word processing skills necessary to enter the job market as an information and word processor. Specific emphases will be placed on a variety of office software and the specific capabilities of word processing, office publications, document formatting and editing, and proofreading. Credits earned in this program may be transferred toward a diploma and/or an Associate in Applied Science Degree in Office Administration and/or an Associate in Applied Science Degree in Medical Office Administration provided the student meets the entrance requirements for the diploma/degree program.

#### Program Length: 2 semesters

3-0-3

7-4-9

Career Pathway Options: Associate in Applied Science Degree in Office Administration (Higher entrance standards required); Associate in Applied Science Degree in Medical Office Administration (Higher entrance standards required); Diploma in Office Administration (Higher entrance standards required); Receptionist Certificate; Information and Word Processing Certificate. Program Sites: Distance Program Lee and Harnett Campus - Day Program

Course Requirements for Information and Word Processing Certificate

Required Courses (14/13 SHC)

*CIS 110	Introduction to Computers	2-2-3
OST 131	Keyboarding	1-2-2
OST 134	Text Entry and Formatting	2-2-3
OST 136	Word Processing	2-2-3
OST 236	Advanced Word/Information Processing	2-2-3
*Students may substitute CIS 111 (nontransferable).		

Total Semester Hours Credit Required for Graduation: 14/13

## Office Administration Credential: Receptionist Certificate C25370R0

This certificate program provides the graduate with the basic skills necessary to enter the job market as a receptionist. Specific emphases will be placed on general office skills in spreadsheets, oral communication, information and word processing, and records management. Credits earned in this program may be transferred toward a Diploma and/or an Associate in Applied Science Degree in Office Administration and/or an Associate in Applied Science Degree in Medical Office Administration provided the student meets the entrance requirements for the degree/diploma program.

#### Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science Degree in Office Administration (Higher entrance standards required); Associate in Applied Science Degree in Medical Office Administration (Higher entrance standards required); Diploma in Office Administration (Higher entrance standards required); Information and Word Processing Certificate; Receptionist Certificate.

Program Sites: Distance Programs Lee and Harnett Campus - Day Program

Course Requirements for Receptionist Certificate

Required Courses (17/16 SHC)		C-L-SHC
*CIS 110	Introduction to Computers	2-2-3
OST 131	Keyboarding	1-2-2
OST 134	Text Entry and Formatting	2-2-3
OST 136	Word Processing	2-2-3
OST 164	Text Editing Applications	3-0-3
OST 184	Records Management	2-2-3
*Students may substitute CIS 111 (nontransferable).		

Total Semester Hours Credit Required for Graduation: 17/16

## Operations Management Credential: Associate in Applied Science Degree in Operations Management A2512G

Operations Management is a concentration under the curriculum title of Business Administration. This curriculum is designed to educate individuals in the technical and managerial aspects of operations for manufacturing and service industries.

Emphasized are analytical reasoning, problem solving, and continuous improvement concepts required in today's dynamic business and industry environments. Concepts include quality, productivity, organizational effectiveness, financial analysis, and the management of human, physical, and information resources.

Graduates should qualify for leadership positions, or enhance their professional skills in supervision, team leadership, operations planning, quality assurance, manufacturing and service management, logistics/distribution, health and safety, human resources management, and inventory/materials management.

#### Program Length: 7 semesters

Career Pathway Option: Associate in Applied Science Degree in Operations Management Program Sites: Lee Campus - Evening Program, Selected Day and Distance Classes

Course Requirements for Operations Management Degree			
A. General I	Education Courses (16 SHC)	C-L-SHC	
ENG 111	Expository Writing	3-0-3	
ENG 111A	Expository Writing Lab	0-2-1	
ENG 114	Professional Research and Reporting	3-0-3	
	Humanities/Fine Arts Elective	3-0-3	
*MAT 140	Survey of Mathematics	3-0-3	
	Social/Behavioral Science Elective	3-0-3	
B. Required	Major Core Courses (36-37 SHC)		
BUS 115	Business Law I	3-0-3	
BUS 137	Principles of Management	3-0-3	
MKT 120	Principles of Marketing	3-0-3	
	of the following courses:		
Accounting	College Accounting	3-2-4	
ACC 113 ACC 120	Principles of Financial Accounting	3-2-4 3-2-4	
ACC 120	Finciples of Financial Accounting	3-2-4	
**Computer	Applications Elective:		
CIS 110	Introduction to Computers	2-2-3	
CIS 111	PC Literacy	1-2-2	
Choose one of the following courses:			
ECO 151	Survey of Economics	3-0-3	
ECO 251	Principles of Microeconomics	3-0-3	
ECO 252	Principles of Macroeconomics	3-0-3	

#### 3-0-3 Social/Behavioral Science Elective

Concentration Courses			
ISC 121	Environmental Health and Safety	3-0-3	
ISC 131	Quality Management	3-0-3	
ISC 210	Operation and Production Planning	3-0-3	
ISC 221	Statistical Qual Control	3-0-3	
OMT 112	Materials Management	3-0-3	
OMT 260	Issues in Operations Management	3-0-3	

C. Other Major Hours Required for Graduation (18 SHC)	)	
e. Other Mujor Hours Required for Gruduation (10 SHe)	,	
DUC 151 Describe Chille	2	0

People Skills	3-0-3
Human Resource Management	3-0-3
Labor Relations	3-0-3
Business Ethics	3-0-3
Developing Team Performance	3-0-3
Business Communication	3-0-3
Industry Reporting Skills	3-0-3
	Human Resource Management Labor Relations Business Ethics Developing Team Performance Business Communication

Total Semester Hours Credit Required for Graduation: 70/71

Semester Curriculum for Operations Management Degree

Semester Cu	irriculum for Operations Managemen	t Degree
1st Semester	r (Fall)	C-L-SHC
BUS 137	Principles of Management	3-0-3
**CIS 110	Introduction to Computers	2-2-3
ISC 131	Quality Management	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
	1	0/11-2-11/12
2nd Semeste	er (Spring)	
BUS 151	People Skills	3-0-3
ISC 121	Environmental Health and Safety	3-0-3
ISC 210	<b>Operation and Production Planning</b>	3-0-3
		9-0-9
3rd Semeste	r (Summer)	
BUS 252	Labor Relations	3-0-3
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
MKT 120	Principles of Marketing	3-0-3
		9-2-10
4th Semester	r (Fall)	
	Accounting Elective	3-2-4
BUS 115	Business Law I	3-0-3
BUS 260	Business Communication	3-0-3
	Economics Elective	3-0-3
		12-2-13
5th Semester	r (Spring)	
BUS 153	Human Resource Management	3-0-3
BUS 240	Business Ethics	3-0-3
ENG 114	Professional Research and Reportin	g 3-0-3
OMT 112	Materials Management	3-0-3
	c	12-0-12
6th Semeste	r (Summer)	
ISC 221	Statistical Quality Control	3-0-3
OMT 218	Developing Team Performance	3-0-3
		6-0-6
7th Semeste	r (Fall)	
	Humanities/Fine Arts Elective	3-0-3
OMT 260	Issues in Operations Management	3-0-3

Total Semester Hours	Credit: 70/71
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- \* Students may substitute MAT 115 (non transferable). \*\*Students may substitute CIS 111 (nontransferable.

## **Operations Management Credential: Operations Management Diploma D2512G**

This diploma program is designed to educate individuals in the technical and managerial aspects of operations for manufacturing and service industries. Specific emphases include human resources, quality, materials and operations management production planning and safety, and business communication. Credits earned in this program may be transferred toward an Associate in Applied Science Degree in Operations Management provided the student meets the entrance requirements for the degree program.

Program Length: 5 semesters Career Pathway Options: Associate in Applied Science Degree in Operations Management Program Sites: Lee Campus - Evening Program, Selected Day and Distance Courses

Course Requirements for Operations Management Diploma

A. General Education Courses (7 SHC)		C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
*MAT 140	Survey of Mathematics	3-0-3

B. Required	Major Core Courses (31 SHC)	
BUS 115	Business Law I	3-0-3
BUS 137	Principles of Management	3-0-3
BUS 153	Human Resource Management	3-0-3
ISC 121	Environmental Health and Safety	3-0-3
ISC 131	Quality Management	3-0-3
ISC 210	Operations and Production Planning	3-0-3
OMT 112	Materials Management	3-0-3
OMT 218	Developing Team Performance	3-0-3

Choose one of the following courses:

Accounting	Elective:	
ACC 115	College Accounting	3-2-4
ACC 120	Principles of Financial Accounting	3-2-4
Economics I	Elective:	
ECO 151	Survey of Economics	3-0-3
ECO 251	Principles of Microeconomics	3-0-3
ECO 252	Principles of Macroeconomics	3-0-3
C. Other Ma	jor Hours Required for Graduation (5/6 SH	C)
BUS 151	People Skills	3-0-3
**CIS 110	Introduction to Computers	2-2-3
Total Semes	ter Hours Credit Required for Graduation:4	3/44

1

Semester Curriculum for Operations Management Diploma

1st Semester (Fall)C-L-SHCBUS 137Principles of Management3-0-3

**CIS 110	Introduction to Computers	2-2-3
ISC 131	Quality Management	3-0-3
		7/8-2-8/9
2nd Semeste	er (Spring)	
BUS 151	People Skills	3-0-3
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
ISC 121	Environmental Health and Safety	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
		12-2-13
3rd Semester	r (Summer)	
ISC 210	Operation and Production Planning	3-0-3
OMT 218	Developing Team Performance	3-0-3
	1 0	6-0-6
4th Semester	r (Fall)	
	Accounting Elective	3-2-4
BUS 115	Business Law I	3-0-3
	Economics Elective	3-0-3
		9-2-10
5th Semester	r (Spring)	
OMT 112		3-0-3
BUS 153	Human Resource Management	3-0-3
		6-0-6

\* Students may substitute MAT 115 (nontransferable) \*\* Students may substitute CIS 111 (nontransferable). Total Semester Hours Credit: 43/44

## **Operations Management Credential: Operations Management Certificate C2512G**

This certificate program is designed to prepare students in the basic aspects of operations for manufacturing and service industries. Emphasized in the certificate program are basic concepts in the areas of human resources, quality and production management. Credits earned in this certificate program may be transferred toward an Associate in Applied Science Degree in Operations Management provided the student meets the entrance requirements for the degree program.

Program Length: 3 semesters

Career Pathway Options: Associate in Applied Science Degree in Operations Management (Higher entrance standards required) Operations Management Diploma (Higher entrance standards required) Program Sites: Lee Campus - Evening Program, Selected Day and Distance Courses

Course Requirements for Operations Management Certificate

Required Ma	ajor Core Courses (18 SHC)	C-L-SHC
BUS 137	Principles of Management	3-0-3
BUS 151	People Skills	3-0-3
BUS 153	Human Resource Management	3-0-3
ISC 121	Environmental Health and Safety	3-0-3
ISC 131	Quality Management	3-0-3
OMT 218	Developing Team Performance	3-0-3

Total Semester Hours Credit Required for Graduation: 18

## **Operations Management Credential: Business Operations Certificate C2512G01**

This certificate program is designed to prepare students in the basic aspects of operations for manufacturing and service industries. Emphasized in the certificate program are basic concepts in the areas of management of employees, quality and production management. Credits earned in this certificate program may be transferred toward an Associate in Applied Science Degree in Operations Management provided the student meets the entrance requirements for the degree program.

Program Length: 3 semesters

Career Pathway Options: Associate in Applied Science Degree in Operations Management (Higher entrance standards required) Operations Management Diploma (Higher entrance standards required) Program Sites: Lee Campus - Evening Program and Distance Courses

Course Requirements for Business Operations Certificate

Required M	lajor Core Courses (18 SHC)	C-L-SHC
BUS 137	Principles of Management	3-0-3
BUS 151	People Skills	3-0-3
ISC 131	Quality Management	3-0-3
ISC 210	Operations and Production Planning	3-0-3
OMT 181	Industry Reporting Skills	3-0-3
OMT 218	Developing Team Performance	3-0-3

Total Semester Hours Credit Required for Graduation: 18

## Paralegal Technology Credential: Associate in Applied Science Degree in Paralegal Technology A25380

The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks, and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Coursework includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law.

Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations.

Program Length: 5 semesters

Career Pathway Options: Associate in Applied Science Degree in Paralegal Technology Program Sites: Lee County Campus - Day Program, Selected Hybrid Courses

<b>Course Requirements</b>	for Paralegal	Technology Degree

A. General Education Courses (16 SHC)		C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
ENG 114	Professional Research and Reporting	3-0-3
	Humanities/Fine Arts Elective	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
	Social/Behavioral Science Elective	3-0-3

### B. Required Major Core Courses (23 SHC)

LEX 110	Introduction to Paralegal Study	2-0-2
LEX 120	Legal Research/Writing I	2-2-3
LEX 130	Civil Injuries	3-0-3
LEX 140	Civil Litigation I	3-0-3
LEX 150	Commercial Law	2-2-3
LEX 210	Real Property I	3-0-3
LEX 240	Family Law	3-0-3
LEX 250	Wills, Estates, and Trusts	2-2-3

С.	Other Major	Hours Re	auired for	Graduation	(33 SHC)
<u> </u>	o mer major	110010 100	941104 101	oracation	(22 212)

ACC 115	College Accounting	3-2-4
CIS 110	Introduction to Computers	2-2-3
COE 111	Co-op Work Experience I	0-10-1
LEX 121	Legal Research Writing II	2-2-3
LEX 141	Civil Litigation II	2-2-3
LEX 160	Criminal Law and Procedure	2-2-3
LEX 170	Administrative Law	2-0-2

LEX 180	Case Analysis and Reasoning	1-2-2
LEX 211	Real Property II	1-4-3
LEX 220	Corporate Law	2-0-2
LEX 260	Bankruptcy and Collections	3-0-3
LEX 271	Law Office Writing	1-2-2
LEX 280	Ethics and Professionalism	2-0-2
	Communications Elective	
ENG 115	Oral Communication	3-0-3
COM 110	Introduction to Communication	3-0-3
COM 120	Intro. to Interpersonal Communication	3-0-3
COM 140	Intro. To Intercultural Communication	3-0-3
COM 231	Public Speaking	3-0-3
Total Semester Hours Credit Required for Graduation: 75		

Semester Curriculum for Paralegal Technology Degree

Semester Ct	information ratalegal recimology Deg	lee
1st Semester	r (Fall)	C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
LEX 110	Introduction to Paralegal Study	2-0-2
LEX 150	Commercial Law	2-2-3
LEX 170	Administrative Law	2-0-2
*MAT 140	Survey of Mathematics	3-0-3
		12-4-14
2nd Semeste		
CIS 110	Introduction to Computers	2-2-3
ENG 114	Professional Research and Reporting	3-0-3
	Humanities/Fine Arts Elective	3-0-3
LEX 160	Criminal Law and Procedures	2-2-3
LEX 220	Corporate Law	2-0-2
LEX 280	Ethics and Professionalism	2-0-2
	Social/Behavioral Science Elective	3-0-3
		17-4-19
3rd Semeste		
ACC 115	College Accounting	3-2-4
LEX 140	Civil Litigation I	3-0-3
LEX 271	Law Office Writing	1-2-2
		7-4-9
4th Semester		
LEX 120	Legal Research/Writing I	2-2-3
LEX 130	Civil Injuries	3-0-3
LEX 141	Civil Litigation II	2-2-3
LEX 180	Case Analysis and Reasoning	1-2-2
LEX 210	Real Property I	3-0-3
LEX 250	Wills, Estates, and Trustees	2-2-3
		13-8-17
5th Semester		
COE 111	Co-op Work Experience I	0-10-1
COM	Communications Elective	3-0-3
LEX 121	Legal Research/Writing II	2-2-3
LEX 211	Real Property II	1-4-3
LEX 240	Family Law	3-0-3
LEX 260	Bankruptcy and Collections	3-0-3
		12-16-16

Total Semester Hours Credit: 75

\* Students may substitute MAT 115 (nontransferable)

## Paralegal Technology Credential: Paralegal Technology Diploma D25380

This diploma program is designed for students who have already earned a Baccalaureate and/or an Associate Degree. Students in this program will learn the specifics of assisting lawyers in the specific areas of research, document preparation, and client interviews. Credits earned in this program may be transferred to the Associate in Applied Science Degree in Paralegal Technology provided the student meets all entrance requirements for the degree program.

Program Specific Entrance Standards: A Baccalaureate and/or an Associate Degree including credit for ENG 111 or equivalent and 3 SHC in general education. Program Length: 3 semesters Career Pathway Options: Associate in Applied Science Degree in Paralegal Technology (Higher entrance standards required); Paralegal Technology Diploma Program Sites: Lee County Campus - Day Program, Selected Hybrid Courses

Course Requirements for Paralegal Technology Diploma

A. Require	d Major Core Courses (23 SHC)	C-L-SHC
LEX 110	Introduction to Paralegal Study	2-0-2
LEX 120	Legal Research/Writing I	2-2-3
LEX 130	Civil Injuries	3-0-3
LEX 140	Civil Litigation I	3-0-3
LEX 150	Commercial Law	2-2-3
LEX 210	Real Property I	3-0-3
LEX 240	Family Law	3-0-3
LEX 250	Wills, Estates, and Trusts	2-2-3
B. Other M	ajor Hours Required. (20 SHC)	
ACC 115	College Accounting	3-2-4
LEV 101	Level Deservel /Writing H	2 2 2

ACC 115	Conege Accounting	3-2-4
LEX 121	Legal Research/Writing II	2-2-3
LEX 160	Criminal Law	2-2-3
LEX 211	Real Property II	1-4-3
LEX 260	Bankruptcy and Collections	3-0-3
LEX 271	Law Office Writing	1-2-2
LEX 280	Ethics and Professionalism	2-0-2

Total Semester Hours Credit Required for Graduation: 43

Semester Curriculum for Paralegal Technology Diploma

1st Semester (Fall)		C-L-SHC
LEX 110	Introduction to Paralegal Study	2-0-2
LEX 120	Legal Research/Writing I	2-2-3
LEX 130	Civil Injuries	3-0-3
LEX 150	Commercial Law	2-2-3
LEX 210	Real Property I	3-0-3
LEX 250	Wills, Estates, and Trusts	2-2-3
		14-6-17

#### 2nd Semester (Spring)

2nd Semest	ci (oping)	
LEX 121	Legal Research/Writing II	2-2-3
LEX 160	Criminal Law	2-2-3
LEX 211	Real Property II	1-4-3
LEX 240	Family Law	3-0-3
LEX 260	Bankruptcy and Collections	3-0-3
LEX 280	Ethics and Professionalism	2-0-2
		13-8-17
3rd Semest	er (Summer)	
ACC 115	College Accounting	3-2-4
LEX 140	Civil Litigation I	3-0-3
LEX 271	Law Office Writing I	1-2-2
	-	7-4-9
<b>T</b> 10		