CURRICULUM PROGRAMS

CURRICULUM PROGRAMS

CURRICULUM PROGRAMS continued

Comprehensive Articulation Agreement (CAA)

The North Carolina Comprehensive Articulation Agreement (CAA) is a statewide agreement governing the transfer of credits between NC community colleges and NC public universities. The goal of the CAA is to create clear pathways to college transfer associate degree completion and four-year degree completion for students who enroll in community college transfer programs.

Independent Comprehensive Articulation Agreement (ICAA)

The Independent Comprehensive Articulation Agreement (ICAA) is an agreement between the North Carolina Community College System and endorsing members of the North Carolina Independent Colleges and Universities to facilitate transfer between community colleges and private, North Carolina 4-year universities that endorse the agreement.

Virtual Learning Community (VLC)

The Virtual Learning Community is a service of the North Carolina Community College System that provides courses for colleges to use for distance education purposes.

CURRICULUM PROGRAM OF STUDY SEQUENCE KEY

Courses that are marked with the indicated number of asterisks below are part of the Comprehensive Articulation Agreement and are considered transferable to the sixteen constituent institutions of the University of North Carolina. Courses not marked with an asterisk are generally those in an Associate in Applied Science degree program and are not considered as transferable to four-year institutions.

* **Universal General Education Transfer Component (UGETC) Courses**
** **General Education Courses**
*** **Premajor/Elective Courses**

Universal General Education Transfer Component (UGETC)

Universal General Education Transfer Component courses are courses that are guaranteed to transfer for general education equivalency credit to each of the sixteen constituent institutions of the University of North Carolina.

General Education Courses

The Associate in Arts and Associate in Science degree programs include general education requirements in the areas of English, communications, natural sciences, mathematics, humanities, fine arts, social sciences and behavioral sciences.

Premajor/Elective Courses

Premajor/Elective courses prepare students for successful transfer into selected majors at UNC institutions.

ACCOUNTING & FINANCE
(A25800)
Associate in Applied Science Degree

The Accounting & Finance 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 course work in accounting principles, theories, and practice, students will study business law, finance, management, and economics. Related skills are developed through the study of communications, 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.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
ACC 120***	Principles of Financial Accounting	3	2	0	4
BUS 110***	Intro to Business	3	0	0	3
BUS 121	Business Math	2	2	0	3
CIS 110**	Introduction to Computers	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
		13	**8**	**0**	**17**
SPRING SEMESTER (First Year)					
ACC 121***	Principles of Managerial Accounting	3	2	0	4
ACC 131	Federal Income Taxes	2	2	0	3
ACC 140	Payroll Accounting	1	2	0	2
CTS 130	Spreadsheet	2	2	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
Mathematics Elective					3/4
(MAT 110, MAT 143*, MAT 152*)		**11**	**8**	**0**	**18/19**
FALL SEMESTER (Second Year)					
ACC 150	Accounting Software Application	1	2	0	2
ACC 220	Intermediate Accounting I	3	2	0	4
BUS 115***	Business Law I	3	0	0	3
BUS 260	Business Communications	3	0	0	3
Economics Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*)					
Social/Behavioral Science Elective		3	0	0	3
(HIS 111*, HIS 112**, HIS 131*, HIS 132*, POL 120*, PSY 118,					
PSY 150*, SOC 210*)		**16**	**4**	**0**	**18**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
ACC 221	Intermediate Accounting II	3	2	0	4
ACC 269	Audit & Assurance Services	3	0	0	3
BUS 225	Business Finance	2	2	0	3
Humanities/Fine Arts Elective*		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Major Elective					3
		11	**4**	**0**	**16**

MAJOR ELECTIVE LIST: (Select a minimum of 3 credits)

	Title	Class	Lab	Work Exp/ Clinical	Credits
BUS 137***	Principles of Management	3	0	0	3
BUS 217	Employment Law & Regulations	3	0	0	3
BUS 270	Professional Development	3	0	0	3
CIS 162	MM Presentation Software	2	2	0	3
DBA 110	Database Concepts	2	3	0	3
MKT 120	Principles of Marketing	3	0	0	3
OST 136	Word Processing	2	2	0	3
SPA 111**	Elementary Spanish I	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 123	Work-Based Learning II	0	0	30	3
WBL 131	Work Based Learning III	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE   69/70

SOLE PROPRIETORSHIP ACCOUNTING

(C25800S)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
ACC 120***	Principles of Financial Accounting	3	2	0	4
ACC 121***	Principles of Managerial Accounting	3	2	0	4
ACC 131	Federal Income Taxes	2	2	0	3
ACC 140	Payroll Accounting	1	2	0	2

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 13

AIR CONDITIONING, HEATING
& REFRIGERATION TECHNOLOGY
(A35100)
Degree

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The degree program covers air conditioning, furnaces, heat pumps, tools and instruments.

Graduates should be able to assist in the start-up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
AHR 110	Intro to Refrigeration	2	6	0	5
AHR 111	HVACR Electricity	2	2	0	3
AHR 112	Heating Technology	2	4	0	4
AHR 211	Residential System Design	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
		11	**16**	**0**	**19**
SPRING SEMESTER (First Year)					
AHR 113	Comfort Cooling	2	4	0	4
AHR 114	Heat Pump Technology	2	4	0	4
AHR 115	Refrigeration Systems	1	3	0	2
AHR 130	HVAC Controls	2	2	0	3
AHR 160	Refrigerant Certification	1	0	0	1
Mathematics Elective (MAT 110, MAT 143*, MAT 152*)					3/4
		8	**13**	**0**	**17/18**
SUMMER SEMESTER (First Year)					
AHR 133	HVAC Servicing	2	6	0	4
FALL SEMESTER (Second Year)					
AHR 240	Hydronic Heating	1	3	0	2
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
REF 117	Refrigeration Controls	2	6	0	4
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, HUM 115**, MUS 110*)					
Major Elective					2
		9	**9**	**0**	**14**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
AHR 212	Advanced Comfort Services	2	6	0	4
AHR 213	HVACR Building Codes	1	2	0	2
REF 260	Commercial Systems II	2	6	0	4
SOC 210*	Introduction to Sociology	3	0	0	3
		9	**14**	**0**	**13**

MAJOR ELECTIVE LIST: (Select a minimum of 1 hour)

	Title	Class	Lab	Work Exp/ Clinical	Credits
BUS 110***	Intro to Business	3	0	0	3
ELC 125	Diagrams and Schematics	1	2	0	2
ISC 112	Industrial Safety	2	0	0	2
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 121	Work-Based Learning II	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **67/68**

AIR CONDITIONING, HEATING & REFRIGERATION TECHNOLOGY
(D35100)
Diploma

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
AHR 110	Intro to Refrigeration	2	6	0	5
AHR 111	HVACR Electricity	2	2	0	3
AHR 112	Heating Technology	2	4	0	4
AHR 211	Residential System Design	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
		11	**14**	**0**	**18**
SPRING SEMESTER (First Year)					
AHR 113	Comfort Cooling	2	4	0	4
AHR 114	Heat Pump Technology	2	4	0	4
AHR 115	Refrigeration Systems	1	3	0	2
AHR 130	HVAC Controls	2	2	0	3
MAT 110	Math Measurement & Literacy	2	2	0	3
Major Elective					1
		9	**15**	**0**	**17**
SUMMER SEMESTER (First Year)					
AHR 133	HVAC Servicing	2	6	0	4
MAJOR ELECTIVE LIST: (Select a minimum of 1 hour)					
AHR 160	Refrigerant Certification	1	0	0	1
ELC 125	Diagrams and Schematics	1	2	0	2
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 121	Work-Based Learning II	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **39**

BASIC HEATING & AIR
(C35100C)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
AHR 110	Intro to Refrigeration	2	6	0	5
AHR 111	HVACR Electricity	2	2	0	3
AHR 112	Heating Technology	2	4	0	4

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **12**

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville Website at www.vgcc.edu]

ASSOCIATE IN ARTS
(A10100)
College Transfer Degree

The Associate in Arts (A.A.) degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in arts and associate in science programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a "C" or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

[**Note:** These programs are also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

MINIMUM CREDIT HOURS REQUIRED FOR DEGREE:………...…60/61*
* [Note: ENG 111A can only be counted as the 61st hour in the degree]

I. GENERAL EDUCATION CORE:………………………...…...31 or 32

A. English Composition..……………...…6
*The following **two** English composition courses are required:*

		Class	Lab	Credit
ENG 111*	Writing and Inquiry	3	0	3
ENG 112*	Writing & Research in the Disciplines	3	0	3

B. Communications/Humanities/Fine Arts..................……………...…9
*Select **three** courses from at least **two** different disciplines:*

		Class	Lab	Credit
ART 111*	Art Appreciation	3	0	3
ART 114*	Art History Survey I	3	0	3
ART 115*	Art History Survey II	3	0	3
COM 120**	Intro to Interpersonal Comm.	3	0	3
COM 231*	Public Speaking	3	0	3
DRA 111**	Theatre Appreciation	3	0	3
ENG 231*	American Literature I	3	0	3
ENG 232*	American Literature II	3	0	3
ENG 241*	British Literature I	3	0	3
ENG 242*	British Literature II	3	0	3
MUS 110*	Music Appreciation	3	0	3
MUS 112*	Introduction to Jazz	3	0	3
PHI 215*	Philosophical Issues	3	0	3
PHI 240*	Introduction to Ethics	3	0	3

C. Social and Behavioral Sciences………………………………....……..9

Select three courses from at least two different disciplines:

		Class	Lab	Credit
ECO 251*	Principles of Microeconomics	3	0	3
ECO 252*	Principles of Macroeconomics	3	0	3
HIS 111*	World Civilization I	3	0	3
HIS 112*	World Civilization II	3	0	3
HIS 131*	American History I	3	0	3
HIS 132*	American History II	3	0	3
POL 120*	American Government	3	0	3
PSY 150*	General Psychology	3	0	3
SOC 210*	Introduction to Sociology	3	0	3

D. Natural Sciences……………………………………………………...4

Select one course from the following (with accompanying laboratory work, if PHY 110 is selected):*

		Class	Lab	Credit
BIO 110*	Principles of Biology	3	3	4
BIO 111*	General Biology I	3	3	4
CHM 151*	General Chemistry I	3	3	4
GEL 111*	Geology	3	2	4
PHY 110*	Conceptual Physics	3	0	3
PHY 110A*	Conceptual Physics Lab	0	2	1

E. Mathematics…………………………………………………………..3 or 4

Select one course from the following:

		Class	Lab	Credit
MAT 143*	Quantitative Literacy	2	2	3
MAT 152*	Statistical Methods I	3	2	4
MAT 171*	Precalculus Algebra	3	2	4

II. ADDITIONAL GENERAL EDUCATION HOURS…………..….13-14

Select 13-14 semester hours of credit from the courses listed above or from the following list of general education and UGETC courses:

		Class	Lab	Credit
BIO 112*	General Biology II	3	3	4
BIO 140**	Environmental Biology	3	0	3
BIO 140A**	Environmental Biology Lab	0	3	1
CHM 152*	General Chemistry II	3	3	4
CIS 110**	Introduction to Computers	2	2	3
CIS 115**	Intro to Prog. & Logic	2	3	3
DRA 112**	Literature of the Theatre	3	0	3
DRA 122**	Oral Interpretation	3	0	3
ECO 151**	Survey of Economics	3	0	3
ENG 261**	World Literature I	3	0	3
ENG 262**	World Literature II	3	0	3
HUM 115**	Critical Thinking	3	0	3
HUM 122**	Southern Culture	3	0	3
HUM 150**	American Women's Studies	3	0	3
MAT 172*	Precalculus Trigonometry	3	2	4
MAT 263*	Brief Calculus	3	2	4
PHY 151*	College Physics I	3	2	4
PHY 152*	College Physics II	3	2	4
PSY 241**	Developmental Psychology	3	0	3

continued. . .

		Class	Lab	Credit
PSY 281**	Abnormal Psychology	3	0	3
REL 110**	World Religions	3	0	3
REL 211**	Introduction to Old Testament	3	0	3
REL 212**	Introduction to New Testament	3	0	3
SOC 213**	Sociology of the Family	3	0	3
SOC 220**	Social Problems	3	0	3
SPA 111**	Elementary Spanish I	3	0	3
SPA 112**	Elementary Spanish II	3	0	3
SPA 211**	Intermediate Spanish I	3	0	3
SPA 212**	Intermediate Spanish II	3	0	3

TOTAL GENERAL EDUCATION HOURS REQUIRED........................45

III. OTHER REQUIRED HOURS…………………………………………….15

*The following course is **required**:*

		Class	Lab	Credit
ACA 122***	College Transfer Success	0	2	1

*Select an additional **14** semester hours of credit from the courses listed above or from the following list of Premajor/Electives:*

		Class	Lab	Credit
ACC 120***	Principles of Financial Accounting	3	2	4
ACC 121***	Principles of Managerial Accounting	3	2	4
ART 131***	Drawing I	0	6	3
ART 215 ***	Visual Art Portfolio	0	6	3
ART 240***	Painting I	0	6	3
BIO 155***	Nutrition	3	0	3
BIO 163***	Basic Anatomy & Physiology	4	2	5
BIO 168***	Anatomy & Physiology I	3	3	4
BIO 169***	Anatomy & Physiology II	3	3	4
BIO 175***	General Microbiology	2	2	3
BIO 271***	Pathophysiology	3	0	3
BIO 275***	Microbiology	3	3	4
BUS 110***	Introduction to Business	3	0	3
BUS 115***	Business Law I	3	0	3
BUS 137***	Principles of Management	3	0	3
CHM 130***	Gen, Org, & Biochemistry	3	0	3
CHM 130A***	Gen, Org, & Biochem Lab	0	2	1
CHM 251***	Organic Chemistry I	3	3	4
CHM 252***	Organic Chemistry II	3	3	4
CJC 111***	Intro. to Criminal Justice	3	0	3
CJC 121***	Law Enforcement Operations	3	0	3
CJC 141***	Corrections	3	0	3
DRA 130***	Acting I	0	6	3
DRA 131***	Acting II	0	6	3
DRA 145***	Stage Make-Up	1	2	2
DRA 170***	Play Production I	0	9	3
DRA 171***	Play Production II	0	9	3
DRA 230***	Acting III	0	6	3
ENG 111A	Writing and Inquiry Lab	0	2	1

[Note: ENG 111A can only count as the 61st hour in the degree. Taking ENG 111A will still require completion of 15 additional Other Required Hours.]

ENG 125***	Creative Writing	3	0	3
HEA 110***	Personal Health/Wellness	3	0	3
HEA 112***	First Aid and CPR	1	2	2

continued. . .

HIS 221***	African-American History	3	0	3
MUS 133***	Band I	0	2	1
MUS 134***	Band II	0	2	1
MUS 141***	Ensemble I	0	2	1
MUS 142***	Ensemble II	0	2	1
MUS 233***	Band III	0	2	1
MUS 234***	Band IV	0	2	1
PED 110***	Fit & Well for Life	1	2	2
PED 117***	Weight Training I	0	1	1
PED 120***	Walking for Fitness	0	3	1
PED 142***	Lifetime Sports	0	2	1
SOC 242***	Sociology of Deviance	3	0	3
SOC 244***	Sociology of Death & Dying	3	0	3

ASSOCIATE IN SCIENCE
(A10400)
College Transfer Degree

The Associate in Science (A.S.) degrees shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in arts and associate in science programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a "C" or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

[Note: These programs are also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu.]

MINIMUM CREDIT HOURS REQUIRED FOR DEGREE:.………...…60/61*
* [Note: ENG 111A can only be counted as the 61st hour in the degree]

I. GENERAL EDUCATION CORE:…………………………………....34

A. English Composition...6
*The following **two** English composition courses are required:*

		Class	Lab	Credit
ENG 111*	Writing and Inquiry	3	0	3
ENG 112*	Writing & Research in the Disciplines	3	0	3

B. Communications/Humanities/Fine Arts...6
*Select **two** courses from at least **two** different disciplines:*

		Class	Lab	Credit
ART 111*	Art Appreciation	3	0	3
ART 114*	Art History Survey I	3	0	3
ART 115*	Art History Survey II	3	0	3
COM 120**	Intro to Interpersonal Comm.	3 0	3	
COM 231*	Public Speaking	3	0	3
DRA 111**	Theatre Appreciation	3	0	3
ENG 231*	American Literature I	3	0	3
ENG 232*	American Literature II	3	0	3
ENG 241*	British Literature I	3	0	3
ENG 242*	British Literature II	3	0	3
MUS 110*	Music Appreciation	3	0	3
MUS 112*	Introduction to Jazz	3	0	3
PHI 215*	Philosophical Issues	3	0	3
PHI 240*	Introduction to Ethics	3	0	3

continued. . .

C. Social and Behavioral Sciences: 6

*Select **two** courses from at least **two** different disciplines:*

		Class	Lab	Credit
ECO 251*	Principles of Microeconomics	3	0	3
ECO 252*	Principles of Macroeconomics	3	0	3
HIS 111*	World Civilization I	3	0	3
HIS 112*	World Civilization II	3	0	3
HIS 131*	American History I	3	0	3
HIS 132*	American History II	3	0	3
POL 120*	American Government	3	0	3
PSY 150*	General Psychology	3	0	3
SOC 210*	Introduction to Sociology	3	0	3

D. Natural Sciences: 8

*Select **eight** semester hours of credit from the following course(s):*

		Class	Lab	Credit
BIO 110*	Principles of Biology	3	3	4
BIO 111*	General Biology I **AND**	3	3	4
BIO 112*	General Biology II	3	3	4
CHM 151*	General Chemistry I **AND**	3	3	4
CHM 152*	General Chemistry II	3	3	4
GEL 111*	Geology	3	2	4
PHY 110*	Conceptual Physics **AND**	3	0	3
PHY 110A*	Conceptual Physics Lab	0	2	1
PHY 151*	College Physics I **AND**	3	2	4
PHY 152*	College Physics II	3	2	4
PHY 251*	General Physics I **AND**	3	3	4
PHY 252*	General Physics II	3	3	4

E. Mathematics 8

*Select **two** courses from the following:*

		Class	Lab	Credit
MAT 171*	Precalculus Algebra	3	2	4
MAT 172*	Precalculus Trigonometry	3	2	4
MAT 263*	Brief Calculus	3	2	4
MAT 271*	Calculus I	3	2	4
MAT 272*	Calculus II	3	2	4

II. ADDITIONAL GENERAL EDUCATION HOURS……………..….....11

*Select **11** semester hours of credit from the courses listed above or from the following list of general education and UGETC courses:*

		Class	Lab	Credit
BIO 140**	Environmental Biology	3	0	3
BIO 140A**	Environmental Biology Lab	0	3	1
CIS 110**	Introduction to Computers	2	2	3
CIS 115**	Intro to Prog. & Logic	2	3	3
DRA 112**	Literature of the Theatre	3	0	3
DRA 122**	Oral Interpretation	3	0	3
ECO 151**	Survey of Economics	3	0	3
ENG 261**	World Literature I	3	0	3
ENG 262**	World Literature II	3	0	3
HUM 115**	Critical Thinking	3	0	3

HUM 122**	Southern Culture	3	0	3
HUM 150**	American Women's Studies	3	0	3
MAT 273**	Calculus III	3	2	4
PSY 241**	Developmental Psychology	3	0	3
PSY 281**	Abnormal Psychology	3	0	3
REL 110**	World Religions	3	0	3
REL 211**	Introduction to Old Testament	3	0	3
REL 212**	Introduction to New Testament	3	0	3
SOC 213**	Sociology of the Family	3	0	3
SOC 220**	Social Problems	3	0	3
SPA 111**	Elementary Spanish I	3	0	3
SPA 112**	Elementary Spanish II	3	0	3
SPA 211**	Intermediate Spanish I	3	0	3
SPA 212**	Intermediate Spanish II	3	0	3

TOTAL GENERAL EDUCATION HOURS REQUIRED........................45

III. OTHER REQUIRED HOURS………………………...............………..15

*The following course is **required**:*

		Class	Lab	Credit
ACA 122***	College Transfer Success	0	2	1

*Select an additional **14** semester hours of credit from the courses listed above or from the following list of Premajor/Electives:*

		Class	Lab	Credit
ACC 120***	Principles of Financial Accounting	3	2	4
ACC 121***	Principles of Managerial Accounting	3	2	4
ART 131***	Drawing I	0	6	3
ART 215 ***	Visual Art Portfolio	0	6	3
ART 240***	Painting I	0	6	3
BIO 155***	Nutrition	3	0	3
BIO 163***	Basic Anatomy & Physiology	4	2	5
BIO 168***	Anatomy & Physiology I	3	3	4
BIO 169***	Anatomy & Physiology II	3	3	4
BIO 175***	General Microbiology	2	2	3
BIO 271***	Pathophysiology	3	0	3
BIO 275***	Microbiology	3	3	4
BUS 110***	Introduction to Business	3	0	3
BUS 115***	Business Law I	3	0	3
BUS 137***	Principles of Management	3	0	3
CHM 251***	Organic Chemistry I	3	3	4
CHM 252***	Organic Chemistry II	3	3	4
CJC 111***	Intro. to Criminal Justice	3	0	3
CJC 121***	Law Enforcement Operations	3	0	3
CJC 141***	Corrections	3	0	3
DRA 130***	Acting I	0	6	3
DRA 131***	Acting II	0	6	3
DRA 145***	Stage Make-Up	1	2	2
DRA 170***	Play Production I	0	9	3
DRA 171***	Play Production II	0	9	3
DRA 230***	Acting III	0	6	3

continued. . .

ENG 111A	Writing and Inquiry Lab	0	2	1

[Note: ENG 111A can only count as the 61st hour in the degree. Taking ENG 111A will still require completion of 15 additional Other Required Hours.]

Course	Title			
ENG 125***	Creative Writing	3	0	3
HEA 110***	Personal Health/Wellness	3	0	3
HEA 112***	First Aid and CPR	1	2	2
HIS 221***	African-American History	3	0	3
MAT 152*	Statistical Methods I	3	2	4
MUS 133***	Band I	0	2	1
MUS 134***	Band II	0	2	1
MUS 141***	Ensemble I	0	2	1
MUS 142***	Ensemble II	0	2	1
MUS 233***	Band III	0	2	1
MUS 234***	Band IV	0	2	1
PED 110***	Fit & Well for Life	1	2	2
PED 117***	Weight Training	0	1	1
PED 120***	Walking for Fitness	0	3	1
PED 142***	Lifetime Sports	0	2	1
SOC 242***	Sociology of Deviance	3	0	3
SOC 244***	Sociology of Death & Dying	3	0	3

ASSOCIATE IN FINE ARTS
(A10600)
Associate in Fine Arts Degree

The Associate in Fine Arts- Visual Arts (A.F.A) degree shall be granted for a planned program of study consisting of a minimum of 60-61 semester hours of credit of college transfer courses, with a specialization of visual arts. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, as well as Art History and multi-dimensional design.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA).

Community college graduates must obtain a "C" or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer. Courses may also transfer through bilateral agreements between institutions.

[Note: These programs are also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

MINIMUM CREDIT HOURS REQUIRED FOR DEGREE:…………..…60/61*
* [Note: WBL 111 can only be counted as the 61st hour in the degree]

I. GENERAL EDUCATION CORE:………………………………… 25 or 26
A. English Composition...6

The following two English composition courses are required:

		Class	Lab	Credit
ENG 111*	Writing and Inquiry	3	0	3
ENG 112*	Writing & Research in the Disciplines	3	0	3

B. Communications/Humanities/Fine Arts..6

Select one course from the following:

		Class	Lab	Credit
COM 120**	Intro to Interpersonal Comm.	3	0	3
COM 231*	Public Speaking	3	0	3

Select one course from the following:

		Class	Lab	Credit
ART 111*	Art Appreciation	3	0	3
DRA 111**	Theatre Appreciation	3	0	3
ENG 231*	American Literature I	3	0	3
ENG 232*	American Literature II	3	0	3
ENG 241*	British Literature I	3	0	3
ENG 242*	British Literature II	3	0	3
MUS 110*	Music Appreciation	3	0	3
MUS 112*	Introduction to Jazz	3	0	3
PHI 215*	Philosophical Issues	3	0	3
PHI 240*	Introduction to Ethics	3	0	3

continued. . .

C. Social and Behavioral Sciences…………………………………...……6

*The following course is **required**:*

		Class	Lab	Credit
PSY 150*	General Psychology	3	0	3

*Select **one** course from the following:*

		Class	Lab	Credit
ECO 251*	Principles of Microeconomics	3	0	3
ECO 252*	Principles of Macroeconomics	3	0	3
HIS 111*	World Civilization I	3	0	3
HIS 112*	World Civilization II	3	0	3
HIS 131*	American History I	3	0	3
HIS 132*	American History II	3	0	3
POL 120*	American Government	3	0	3
SOC 210*	Introduction to Sociology	3	0	3

D. Natural Sciences……………………………………………………..4

*Select **one** course from the following (with accompanying laboratory work, if PHY 110* is selected):*

		Class	Lab	Credit
BIO 110*	Principles of Biology	3	3	4
BIO 111*	General Biology I	3	3	4
CHM 151*	General Chemistry I	3	3	4
GEL 111*	Geology	3	2	4
PHY 110*	Conceptual Physics	3	0	3
PHY 110A*	Conceptual Physics Lab	0	2	1

E. Mathematics…………………………………………………………..3 or 4

*Select **one** course from the following:*

		Class	Lab	Credit
MAT 143*	Quantitative Literacy	2	2	3
MAT 152*	Statistical Methods	3	2	4
MAT 171*	Precalculus Algebra	3	2	4

II. ADDITIONAL GENERAL EDUCATION HOURS……………...………6

The following courses are required:

		Class	Lab	Credit
ART 114*	Art History Survey I	3	0	3
ART 115*	Art History Survey II	3	0	3

TOTAL GENERAL EDUCATION HOURS REQUIRED..............31 or 32

III. OTHER REQUIRED HOURS……………………………………………29

*The following courses are **required**:*

		Class	Lab	Credit
ACA 122***	College Transfer Success	0	2	1
ART 121***	Two-Dimensional Design	0	6	3
ART 122***	Three-Dimensional Design	0	6	3
ART 131***	Drawing I	0	6	3

Select an additional **19** *semester hours of credit from the courses listed above or from the following list:*

		Class	Lab	Credit
ACC 120***	Principles of Financial Accounting	3	2	4
ACC 121***	Principles of Managerial Accounting	3	2	4
ART 113***	Art Methods & Materials	0	6	3
ART 117**	Non-Western Art History	3	0	3
ART 132***	Drawing II	0	6	3
ART 135***	Figure Drawing I	0	6	3
ART 215 ***	Visual Art Portfolio	0	6	3
ART 240***	Painting I	0	6	3
ART 241***	Painting II	0	6	3
ART 264***	Digital Photography I	0	6	3
BIO 111*	General Biology I **AND**	3	3	4
BIO 112*	General Biology II	3	3	4
BIO 140**	Environmental Biology	3	0	3
BIO 140A**	Environmental Biology Lab	0	3	1
BIO 155***	Nutrition	3	0	3
BIO 163***	Basic Anatomy & Physiology	4	2	5
BIO 168***	Anatomy & Physiology I	3	3	4
BIO 169***	Anatomy & Physiology II	3	3	4
BIO 175***	General Microbiology	2	2	3
BIO 271***	Pathophysiology	3	0	3
BIO 275***	Microbiology	3	3	4
BUS 110***	Introduction to Business	3	0	3
BUS 115***	Business Law I	3	0	3
BUS 137***	Principles of Management	3	0	3
CHM 130***	Gen, Org, & Biochemistry	3	0	3
CHM 130A***	Gen, Org, & Biochem Lab	0	2	1
CHM 152*	General Chemistry II	3	3	4
CHM 251***	Organic Chemistry I	3	3	4
CHM 252***	Organic Chemistry II	3	3	4
CIS 110**	Introduction to Computers	2	2	3
CIS 115**	Intro to Prog. & Logic	2	3	3
CJC 111***	Intro. to Criminal Justice	3	0	3
CJC 121***	Law Enforcement Operations	3	0	3
CJC 141***	Corrections	3	0	3
DRA 112**	Literature of the Theatre	3	0	3
DRA 122**	Oral Interpretation	3	0	3
DRA 130***	Acting I	0	6	3
DRA 131***	Acting II	0	6	3
DRA 145***	Stage Make-Up	1	2	2
DRA 170***	Play Production I	0	9	3
DRA 171***	Play Production II	0	9	3
DRA 230***	Acting III	0	6	3
ECO 151**	Survey of Economics	3	0	3
ENG 125***	Creative Writing	3	0	3
ENG 261**	World Literature I	3	0	3
ENG 262**	World Literature II	3	0	3
HEA 110***	Personal Health/Wellness	3	0	3
HEA 112***	First Aid and CPR	1	2	2
HIS 221***	African-American History	3	0	3

continued. . .

HUM 115**	Critical Thinking	3	0	3
HUM 122**	Southern Culture	3	0	3
HUM 150**	American Women's Studies	3	0	3
MAT 172*	Precalculus Trigonometry	3	2	4
MAT 263*	Brief Calculus	3	2	4
MUS 133***	Band I	0	2	1
MUS 134***	Band II	0	2	1
MUS 141***	Ensemble I	0	2	1
MUS 142***	Ensemble II	0	2	1
MUS 233***	Band III	0	2	1
MUS 234***	Band IV	0	2	1
PED 110***	Fit & Well for Life	1	2	2
PED 117***	Weight Training	0	1	1
PED 120***	Walking for Fitness	0	3	1
PED 142***	Lifetime Sports	0	2	1
PHY 151*	College Physics I **AND**	3	2	4
PHY 152*	College Physics II	3	2	4
PSY 241**	Developmental Psychology	3	0	3
PSY 281**	Abnormal Psychology	3	0	3
REL 110**	World Religions	3	0	3
REL 211**	Introduction to Old Testament	3	0	3
REL 212**	Introduction to New Testament	3	0	3
SOC 213**	Sociology of the Family	3	0	3
SOC 220**	Social Problems	3	0	3
SOC 242***	Sociology of Deviance	3	0	3
SOC 244***	Sociology of Death & Dying	3	0	3
SPA 111**	Elementary Spanish I	3	0	3
SPA 112**	Elementary Spanish II	3	0	3
SPA 211**	Intermediate Spanish I	3	0	3
SPA 212**	Intermediate Spanish II	3	0	3
WBL 111	Work-Based Learning I	0	0	1

[Note: WBL 111 can only count as the 61st hour in the degree.]

TOTAL SEMESTER HOURS REQUIRED FOR A.F.A. DEGREE: 60/61

ASSOCIATE IN GENERAL EDUCATION
(A10300)
Degree

The Associate in General Education curriculum is designed for the academic enrichment of students who wish to broaden their education with emphasis on personal interest, growth and development.

The two-year General Education program provides students opportunities to study English, literature, fine arts, philosophy, social science, science, and mathematics at the college level. Many of the courses are equivalent to college transfer courses; however, the program is not principally designed for college transfer.

Course work includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. Opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers will be provided.

Through these skills, students will have a sound base for lifelong learning. Graduates are prepared for advancements within their field of interest and become better qualified for a wide range of employment opportunities. *Students interested in this program should see the Dean of Arts & Sciences for enrollment requirements.*

COURSE AND HOUR REQUIREMENTS

Credit Hours

I. GENERAL EDUCATION COURSES

Communications:……………………………………………………...…**6**
ENG 111* Writing and Inquiry
ENG 112* Writing/Research in the Disciplines

Humanities/Fine Arts:……………………………………………… **3**
Select from associate degree level courses in art, communications, drama, English, humanities, literature, music, and philosophy.

Natural Sciences/Mathematics:……………………………………… **3**
Select from associate degree level courses in biology, chemistry, geology, mathematics, and physics.

Social/Behavioral Science:……………………………………….…..**3**
Select from associate degree level courses in economics, history, political science, psychology, and sociology.

II. MINIMUM MAJOR HOURS

Computer/Information Systems:……………………………….…...**3**
CIS 110** Introduction to Computers

Major Electives:……………………………………………………**46**
Select from associate degree level courses in English/communications, humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics, or any specialty courses as selected by the student and approved by the student's advisor.

TOTAL SEMESTER HOURS REQUIRED FOR A.G.E. DEGREE: 64

ASSOCIATE IN GENERAL EDUCATION
GENERAL SCIENCE
(A10300S)
Degree

The Associate in General Education (AGE) curriculum is designed for individuals wishing to broaden their education, with emphasis on personal interest, growth, and development.

The two-year General Education program provides students opportunities to study English, literature, fine arts, philosophy, social science, science, and mathematics at the college level. Many of the courses are equivalent to college transfer courses; however, the program is not principally designed for college transfer.

The A.G.E. - General Science option is specifically designed for students who are attempting to enter a competitive health or science program and who need courses to improve their chances of admission or who have exited such a program and wish to complete an associate degree. *Completion of this program does not guarantee admission to any other academic program.*

COURSE AND HOUR REQUIREMENTS

Credit Hours

I. GENERAL EDUCATION COURSES

Communications:……………………………………………………………...**6**

		Class	Lab	Credit
ENG 111*	Writing and Inquiry	3	0	3
ENG 112*	Writing/Research in the Disc	3	0	3

Humanities/Fine Arts:…………………………………………………………..**3**
Select from associate degree level courses in art, communications, drama, English, humanities, music, and philosophy.

Natural Sciences/Mathematics:………………………………………….…..**3**
Select from associate degree level courses in biology, chemistry, geology, mathematics, and physics.

Social/Behavioral Science:…………………………………………………...**3**
Select from associate degree level courses in economics, history, political science, psychology, and sociology.

II. OTHER REQUIRED HOURS:

A. Required Subject Areas:

Human Biology:………………………………………………………..**4-5**
*Select **one** course from the following:*

		Class	Lab	Credit
BIO 163***	Basic Anatomy & Physiology	4	2	5
BIO 168***	Anatomy & Physiology I	3	3	4

continued. . .

Psychology:…………………………………………………………**3**

*Select **one** course from the following:*

		Class	Lab	Credit
PSY 118	Interpersonal Psychology	3	0	3
PSY 150*	General Psychology	3	0	3

Computer/Information Systems: …..………………………………**3**

		Class	Lab	Credit
CIS 110**	Introduction to Computers	2	2	3

B. Elective Courses:……………………………………………………**12**

Science, Mathematics, and Psychology Electives

*Select **12** semester hours of credit from the following:*

		Class	Lab	Credit
BIO 110*	Principles of Biology	3	3	4
BIO 111*	General Biology I	3	3	4
BIO 112*	General Biology II	3	3	4
BIO 140**	Environmental Biology	3	0	3
BIO 140A**	Environmental Biology Lab	0	3	1
BIO 155***	Nutrition	3	0	3
BIO 168***	Anatomy & Physiology I	3	3	4
BIO 169***	Anatomy & Physiology II	3	3	4
BIO 175***	General Microbiology	2	2	3
BIO 271***	Pathophysiology	3	0	3
BIO 275***	Microbiology	3	3	4
CHM 130***	Gen, Org, & Biochemistry	3	0	3
CHM 130A***	Gen, Org, & Biochem Lab	0	2	1
CHM 131**	Introduction to Chemistry	3	0	3
CHM 131A**	Intro to Chemistry Lab	0	3	1
CHM 132**	Organic and Biochemistry	3	3	4
CHM 151*	General Chemistry I	3	3	4
CHM 152*	General Chemistry II	3	3	4
GEL 111*	Geology	3	2	4
MAT 110	Math Measurement & Literacy	2	2	3
MAT 143*	Quantitative Literacy	2	2	3
MAT 152*	Statistical Methods I	3	2	4
MAT 171*	Precalculus Algebra	3	2	4
MAT 172*	Precalculus Trigonometry	3	2	4
MAT 263*	Brief Calculus	3	2	4
MAT 271*	Calculus I	3	2	4
MAT 272*	Calculus II	3	2	4
MAT 273**	Calculus III	3	2	4
PHY 110*	Conceptual Physics	3	0	3
PHY 110A*	Conceptual Physics Lab	0	2	1
PHY 151*	College Physics I	3	2	4
PHY 152*	College Physics II	3	2	4
PSY 241**	Developmental Psychology	3	0	3
PSY 281**	Abnormal Psychology	3	0	3

Other Electives:………………………………………………………….......27

Select from courses listed above, or from other associate degree level courses in art, biology, chemistry, communication, drama, economics, English, foreign language, geology, history, humanities, mathematics, music, philosophy, physics, political science, psychology, sociology, or from the courses listed below:

		Class	Lab	Credit
ACA 115	Success & Study Skills	0	2	1
ACA 122	College Transfer Success	0	2	1
BPM 110	Bioprocess Practices	3	4	5
BPM 111	Bioprocess Measurements	3	3	4
BPM 112	Upstream Bioprocessing	3	4	5
BPM 113	Downstream Bioprocessing	3	3	4
BUS 270	Professional Development	3	0	3
CTS 130	Spreadsheet	2	2	3
EDU 216	Foundations of Education	4	0	4
MED 121	Medical Terminology I	3	0	3
MED 122	Medical Terminology II	3	0	3
OST 131	Keyboarding	1	2	2
OST 141	Med Office Terms I	3	0	3
OST 142	Med Office Terms II	3	0	3
OST 148	Med Ins & Billing	3	0	3
PHM 110	Introduction to Pharmacy	3	0	3
PHM 115	Pharmacy Calculations	3	0	3
PHM 140	Trends in Pharmacy	2	0	2
PHM 165	Pharmacy Prof Practice	2	0	2

TOTAL SEMESTER HOURS REQUIRED FOR A.G.E. DEGREE: 64

ASSOCIATE DEGREE NURSING
(A45110)
Associate in Applied Science Degree

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential.

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN).Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities.

Mission Statement: The Associate Degree Nursing Program supports the mission of the North Carolina Community College System and the mission of Vance Granville Community College. The faculty is committed to providing accessible high quality nursing education to meet the diverse and changing healthcare needs of the service area and to promoting the development of qualified students prepared for the professional role of registered nurse at the entry level.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FIRST SEMESTER (FALL)					
BIO 168***	Anatomy & Physiology I	3	3	0	4
ENG 111*	Writing and Inquiry	3	0	0	3
NUR 111	Intro to Health Concepts	4	6	6	8
		10	**9**	**6**	**15**
SECOND SEMESTER (SPRING)					
BIO 169***	Anatomy & Physiology II	3	3	0	4
NUR 112	Health-Illness Concepts	3	0	6	5
NUR 113	Family Health Concepts	3	0	6	5
		9	**3**	**12**	**14**
THIRD SEMESTER (SUMMER)					
BIO 271	Pathophysiology	3	0	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
NUR 212	Health System Concepts	3	0	6	5
PSY 150*	General Psychology	3	0	0	3
		12	**0**	**6**	**14**
FOURTH SEMESTER (FALL)					
NUR 114	Holistic Health Concepts	3	0	6	5
NUR 211	Health Care Concepts	3	0	6	5
PSY 241**	Developmental Psychology	3	0	0	3
		9	**0**	**12**	**13**

Title	Class	Lab	Work Exp/ Clinical	Credits
FIFTH SEMESTER (SPRING)				
NUR 213 Complex Health Concepts	4	3	15	10
Humanities/Fine Arts Elective	3	0	0	3
(ART 111*, ART 114*, ART 115*, HUM 115**, MUS 110*,				
MUS 112*, PHI 215*, PHI 240*	**7**	**3**	**15**	**13**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **69**

[**Note**: Students must complete all courses listed in each semester together unless related courses have been previously completed with a "C" or better. Nursing courses are only offered in the semester listed.]

LPN TO ADN TRANSITION PROGRAM
(A45110L)

SUGGESTED SEQUENCE OF REQUIRED COURSES:

Title	Class	Lab	Work Exp/ Clinical	Credits
TO BE COMPLETED PRIOR TO PROGRAM ADMISSION:				
BIO 168*** Anatomy & Physiology I	3	3	0	4
ENG 111* Writing and Inquiry	3	0	0	3
PSY 150* General Psychology	3	0	0	3
[**Note**: Upon admission to the LPN to ADN Transition	**9**	**3**	**0**	**10**
Program, the student will be awarded credit for NUR 111				
based on completion of NUR 101 and NUR 102 for a				
minimum of 19 credit hours.]				**19**
FIRST SEMESTER (SUMMER)				
BIO 169*** Anatomy & Physiology II	3	3	0	4
ENG 112* Writing/Research in the Disc	3	0	0	3
NUR 214 Nursing Transition Concepts	3	0	3	4
PSY 241** Developmental Psychology	3	0	0	3
	12	**3**	**3**	**14**
SECOND SEMESTER (FALL)				
BIO 271 Pathophysiology	3	0	0	3
NUR 114 Holistic Health Care Concepts	3	0	6	5
NUR 211 Health Care Concepts	3	0	6	5
	9	**0**	**12**	**13**
THIRD SEMESTER (SPRING)				
NUR 213 Complex Health Concepts	4	3	15	10
Humanities/Fine Arts Elective	3	0	0	3
(ART 111*, ART 114*, ART 115*, HUM 115**, MUS 110*,				
MUS 112*, PHI 215*, PHI 240*)	**7**	**0**	**15**	**13**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **69**

[**Note**: Students must complete all courses listed in each semester together unless related courses have been previously completed with a "C" or better. Nursing courses are only offered in the semester listed.]

ASSOCIATE DEGREE NURSING-RIBN
(A10300S/A45110)
Dual Enrollment
Associate in Applied Science Degree-VGCC
Baccalaureate in Nursing Degree-NC A&T

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential.

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities.

The Regionally Increasing Baccalaureate Nurses (RIBN) program is a dual-enrollment option offered in collaboration with North Carolina A&T State University. An Associate in Applied Science in Nursing is awarded at the end of the third year from Vance-Granville Community College and a Baccalaureate in Nursing is awarded from North Carolina A&T State University at the end of the fourth year.

Mission Statement: The Associate Degree Nursing Program supports the mission of the North Carolina Community College System and the mission of Vance-Granville Community College. The faculty is committed to providing accessible high quality nursing education to meet the diverse and changing healthcare needs of the service area and to promoting the development of qualified students prepared for the professional role of registered nurse at the entry level.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FIRST SEMESTER (FALL)					
ACA 122***	College Transfer Success	0	2	0	1
BIO 168***	Anatomy & Physiology I	3	3	0	4
CHM 130***	Gen, Org, & Biochemistry	3	0	0	3
CHM 130A***	Gen, Org, & Biochem Lab	0	2	0	1
	OR				
CHM 131**	Introduction to Chemistry	3	0	0	3
CHM 131A**	Introduction to Chemistry Lab	0	3	0	1
	OR				
CHM 151*	General Chemistry I	3	3	0	4
ENG 111*	Writing and Inquiry	3	0	0	3
NURS 100	*Student Success (A&T)*				*1*
		9	**7/8**	**0**	**13**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SECOND SEMESTER (SPRING)					
BIO 169***	Anatomy & Physiology II	3	3	0	4
HUM 115**	Critical Thinking	3	0	0	3
MAT 143*	Quantitative Literacy	2	2	0	3
LIBS 202	*Intro to African American Studies (A&T)*				3
		8	**5**	**0**	**13**
THIRD SEMESTER (SUMMER)					
BIO 175***	General Microbiology	2	2	0	3
NURS 267	*Mentoring (A&T)*				1
		2	**2**	**0**	**4**
FOURTH SEMESTER (FALL)					
NUR 111	Intro to Health Concepts	4	6	6	8
PSY 150*	General Psychology	3	0	0	3
NURS 204	*Statistics (A&T)*				3
		7	**6**	**6**	**14**
FIFTH SEMESTER (SPRING)					
ENG 112*	Writing/Research in the Disc	3	0	0	3
NUR 112	Health-Illness Concepts	3	0	6	5
NUR 113	Family Health Concepts	3	0	6	5
ENGL 200	*Survey of Humanities I (A&T)*				3
		9	**0**	**12**	**16**
SIXTH SEMESTER (SUMMER)					
BIO 271	Pathophysiology	3	0	0	3
NUR 212	Health System Concepts	3	0	6	5
PHIL 265	*World Religions (A&T)*				3
		6	**0**	**6**	**11**
SEVENTH SEMESTER (FALL)					
NUR 114	Holistic Health Concepts	3	0	6	5
NUR 211	Health Care Concepts	3	0	6	5
PSY 241**	Developmental Psychology	3	0	0	3
NURS 467	*Nursing Informatics (A&T)*				3
		9	**0**	**12**	**16**
EIGHTH SEMESTER (SPRING)					
NUR 213	Complex Health Concepts	4	3	15	10
NURS 415	*Health Care In A Global Society (A&T)*				3
		4	**3**	**15**	**13**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **69**

[**Note**: Year 4 courses taken only at NC A&T.]

NINTH SEMESTER (SUMMER)					
	Mentoring (A&T)				1
*NCLEX-RN Exam/Licensure Obtainment					
		0	**0**	**0**	**1**

	Title	Class	Lab	Work Exp/ Clinical	Credits
TENTH SEMESTER (FALL)					
NURS 360	*Concepts in Professional Nursing (A&T)*				*3*
NURS 362	*Student Success I (A&T)*				*1*
NURS 363	*Advanced Health Assessment (A&T)*				*3*
NURS 364	*Applied Ethics (A&T)*				*3*
		0	**0**	**0**	**10**
ELEVENTH SEMESTER (SPRING)					
NURS 361	*Evidence Based Practice (A&T)*				*3*
NURS 460	*Community Health (A&T)*				*4*
		0	**0**	**0**	**7**
TWELFTH SEMESTER (SUMMER)					
NURS 365	*Collaborative Inter-professional Practice (A&T)*				*3*
NURS 464	*Leadership and Management (A&T)*				*4*
NURS 465	*Synthesis of Professional Nursing Practice (A&T)*				*1*
		0	**0**	**0**	**8**

[**Note**: BSN degree awarded by North Carolina A&T State University after completion of required courses/hours.]

Italics indicates a course offered at NC A&T State University

[**Note**: Students must complete all courses listed in each semester together unless related courses have been previously completed with a "C" or better. Nursing courses are only offered in the semester listed.]

AUTOMOTIVE SYSTEMS TECHNOLOGY
(A60160)
Associate in Applied Science Degree

The Automotive Systems Technology curriculum prepares individuals for employment as Automotive Service Technicians. It provides an introduction to automotive careers and increases student awareness of the challenges associated with this fast and ever-changing field.

Classroom and lab experiences integrate technical and academic coursework. Emphasis is placed on theory, servicing and operation of brakes, electrical/electronic systems, engine performance, steering/suspension, automatic transmission/transaxles, engine repair, climate control and manual drive trains.

The Automotive Systems Technology Program is an Automotive Service Excellence (ASE) Certified program under the standards set by the National Automotive Technicians Education Foundation (NATEF). This certification provides a means of identifying quality programs meeting national standards. Students are assured that training received is current, complete and applicable.

Upon completion of this curriculum, students should be prepared to take the ASE exam and be ready for full-time employment in dealerships and repair shops in the automotive service industry.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
AUT 181	Engine Performance 1	2	3	0	3
AUT 181A	Engine Performance 1 Lab	0	3	0	1
AUT 281	Adv Engine Performance	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
TRN 110	Intro to Transport Tech	1	2	0	2
TRN 120	Basic Transport Electricity	4	3	0	5
		12	**15**	**0**	**18**
SPRING SEMESTER (First Year)					
AUT 141	Suspension & Steering Systems	2	3	0	3
AUT 141A	Suspension & Steering Systems Lab	0	3	0	1
AUT 151	Brake Systems	2	3	0	3
AUT 151A	Brakes Systems Lab	0	3	0	1
AUT 163	Adv Auto Electricity	2	3	0	3
AUT 163A	Adv Auto Electricity Lab	0	3	0	1
MAT 110	Math Measurement & Literacy	2	2	0	3
	OR				
MAT 143*	Quantitative Literacy	2	2	0	3
		8	**20**	**0**	**15**
SUMMER SEMESTER (First Year)					
AUT 221	Auto Transm/Transaxles	2	3	0	3
AUT 221A	Auto Transm/Transaxles Lab	0	3	0	1
		2	**6**	**0**	**4**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
AUT 116	Engine Repair	2	3	0	3
AUT 116A	Engine Repair Lab	0	3	0	1
AUT 123	Powertrain Diag & Service	1	3	0	2
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
TRN 130	Intro to Sustainability Trans	2	2	0	3
TRN 140	Transp Climate Control	1	2	0	2
TRN 140A	Transp Climate Contral Lab	1	2	0	2
		10	**15**	**0**	**16**
SPRING SEMESTER (Second Year)					
AUT 114	Safety and Emissions	1	2	0	2
AUT 114A	Safety and Emissions Lab	0	2	0	1
AUT 183	Engine Performance 2	2	6	0	4
AUT 231	Man Trans/Transaxle	2	3	0	3
AUT 231A	Man Trans/Transaxle Lab	0	3	0	1
Humanities/Fine Arts Elective		3	0	0	3
(ENG 231*, ENG 232*,HUM 115**, HUM 122**)					
Major Elective					2
		8	**16**	**0**	**16**
SUMMER SEMESTER (Second Year)					
Social/Behavioral Science Elective					
(PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)		**3**	**0**	**0**	**3**

MAJOR ELECTIVE LIST: (Select a minimum of 2 hours)

	Title	Class	Lab	Clinical	Credits
AUT 212	Auto Shop Management	3	0	0	3
SPA 120	Spanish in the Workplace	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 121	Work-Based Learning II	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 72

AUTOMOTIVE SYSTEMS TECHNOLOGY
(D60160)
Diploma

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
AUT 181	Engine Performance 1	2	3	0	3
AUT 181A	Engine Performance 1 Lab	0	3	0	1
AUT 281	Adv Engine Performance	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
TRN 110	Introduction to Transport Tech	1	2	0	2
TRN 120	Basic Transp Electricity	4	3	0	5
		12	**13**	**0**	**17**
SPRING SEMESTER (First Year)					
AUT 141	Suspension & Steering Systems	2	3	0	3
AUT 141A	Suspension & Steering Sys Lab	0	3	0	1
AUT 151	Brake Systems	2	3	0	3
AUT 151A	Brake Systems Lab	0	3	0	1
AUT 163	Adv Auto Electricity	2	3	0	3
AUT 163A	Adv Auto Electricity Lab	0	3	0	1
MAT 110	Math Measurement & Literacy	2	2	0	3
		8	**20**	**0**	**15**
SUMMER SEMESTER (First Year)					
AUT 221	Auto Transm/Transaxles	2	3	0	3
AUT 221A	Auto Transm/Transaxles Lab	0	3	0	1
		2	**6**	**0**	**4**
FALL SEMESTER (Second Year)					
TRN 140	Transp Climate Control	1	2	0	2
TRN 140A	Transp Climate Contral Lab	1	2	0	2
		2	**4**	**0**	**4**

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **40**

ELECTRICAL SYSTEMS
(C60160E)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
AUT 163	Adv Auto Electricity	2	3	0	3
AUT 163A	Adv Auto Electricity Lab	0	3	0	1
AUT 281	Adv Engine Performance	2	2	0	3
TRN 120	Basic Transp Electricity	4	3	0	5

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **12**

SUSPENSION & STEERING
(C60160S)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
AUT 141	Suspension and Steering Systems	2	3	0	3
AUT 141A	Suspension & Steering Lab	0	3	0	1
AUT 151	Brake Systems	2	3	0	3
AUT 151A	Brakes Systems Lab	0	3	0	1
AUT 181	Engine Performance 1	2	3	0	3
AUT 181A	Engine Performance 1 Lab	0	3	0	1

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **12**

BASIC LAW ENFORCEMENT TRAINING
(C55120)
Certificate

Basic Law Enforcement Training (BLET) is designed to give students essential skills required for entry-level employment as law enforcement officers with state, county, or municipal governments, or with private enterprise.

This program utilizes State commission-mandated topics and methods of instruction. General subjects include, but are not limited to, criminal, juvenile, civil, traffic, and alcoholic beverage laws; investigative, patrol, custody, and court procedures; emergency responses; and ethics and community relations.

Students must successfully complete and pass all units of study mandated by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriffs' Education and Training Standards Commission to receive a certificate.

This course covers the basic skills and knowledge needed for entry-level employment as a law enforcement officer in North Carolina. Topics are divided into general units of study: legal, patrol duties, law enforcement communications, investigation, practical application and sheriff-specific. Upon completion, students should be able to demonstrate competence in the topics and areas required for the state comprehensive examination. This is a certificate-level course.

Students who have successfully completed CJC-100 **or** *CJC-3938 Basic Law Enforcement Training course accredited by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriffs' Education and Training Standards Commission within 10 years prior to application and passed the Commission's comprehensive certificate examination may receive up to 19 hours credit toward the Associate in Applied Science degree in Criminal Justice Technology. Students may receive credit for the following courses: CJC 131, CJC 132, CJC 151, CJC 212, CJC 221, CJC 231. For students entering the Criminal Justice curriculum who completed the BLET curriculum greater than 10 years prior to application, course credit will be evaluated on a case-by-case basis. This course is governed by the North Carolina Administrative Code, Title 12, VGCC's BLET Academy Rules and Regulations, in addition to the Student Code of Conduct in this catalog.*

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Work Exp/ Clinical	Credits
I. GENERAL EDUCATION COURSES				
None				
II. MAJOR COURSES				
A. CORE				
CJC 100 Basic Law Enforcement Training	10	30	0	20
TOTAL SEMESTER HOURS FOR CERTIFICATE:				**20**

BIOPROCESS TECHNOLOGY
(A50440)
Associate in Applied Science Degree

The Bioprocess Technology curriculum is designed to prepare individuals to work as Process Operators in biological products manufacturing facilities. Students will combine basic science and communication skills, manufacturing technologies, and good manufacturing practices in the course of study.

Students will be expected to develop a strong basic science foundation with a sound understanding of the major technologies employed by the industry. They will also be expected to develop collaborative and disciplined work ethics while consistently practicing problem-solving skills.

Upon successful completion of the program, individuals should possess the necessary skills to qualify for employment in a variety of Bioprocessing industries.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
BIO 110*	Principles of Biology	3	3	0	4
OR					
BIO 111*	General Biology I	3	3	0	4
BPM 110	Bioprocess Practices	3	4	0	5
BPM 111	Bioprocess Measurements	3	3	0	4
PTC 110	Industrial Environment	3	0	0	3
		12	**10**	**0**	**16**
SPRING SEMESTER (First Year)					
BPM 112	Upstream Bioprocessing	3	4	0	5
BUS 270	Professional Development	3	0	0	3
CHM 131**	Introduction to Chemistry	3	0	0	3
AND					
CHM 131A**	Introduction to Chemistry Lab	0	3	0	1
OR					
CHM 151*	General Chemistry I	3	3	0	4
ENG 110	Freshman Composition	3	0	0	3
OR					
ENG 111*	Writing and Inquiry	3	0	0	3
		12	**7**	**0**	**15**
SUMMER SEMESTER (First Year)					
BIO 275***	Microbiology	3	3	0	4
BPM 113	Downstream Bioprocessing	3	3	0	4
		6	**6**	**0**	**8**
FALL SEMESTER (Second Year)					
BIO 163***	Basic Anatomy & Physiology	4	2	0	5
ENG 112*	Writing/Research in the Disc	3	0	0	3
OR					
ENG 116	Technical Report Writing	3	0	0	3
MAT 110	Math Measurement & Literacy	2	2	0	3
OR					
MAT 171*	Precalculus Algebra	3	2	0	4
		9/10	**4**	**0**	**11/12**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
CHM 132**	Organic & Biochemistry	3	3	0	4
OR					
CHM 152*	General Chemistry II	3	3	0	4
ENG 231*	American Literature I	3	0	0	3
OR					
ENG 232*	American Literature II	3	0	0	3
OR					
MUS 110*	Music Appreciation	3	0	0	3
PHY 110*	Conceptual Physics	3	0	0	3
AND					
PHY 110A*	Conceptual Physics Lab	0	2	0	1
OR					
PHY 131	Physics-Mechanics	3	2	0	4
OR					
PHY 151*	College Physics I	3	2	0	4
HIS 112*	World Civilizations II	3	0	0	3
		12	**5**	**0**	**14**
SUMMER SEMESTER (Second Year)					
MAT 172*	Precalculus Trigonometry	3	2	0	4
OR					
Major Elective					4
		3	**2**	**0**	**4**

MAJOR ELECTIVE LIST: (Select a minimum of 4 hours)

	Title	Class	Lab	Work Exp/ Clinical	Credits
BIO 140**	Environmental Biology	3	0	0	3
BIO 140A**	Environmental Biology Lab	0	3	0	1
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3
WBL 115	Work-Based Learning Seminar I	1	0	0	1
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 123	Work-Based Learning II	0	0	30	3
WBL 131	Work-Based Learning III	0	0	10	1

TOTAL SEMESTER HOURS FOR A.A.S. DEGREE: **68-69**

[**Note:** Students planning to attend a four-year university may be advised to take the Chemistry sequence of CHM 151* and CHM 152* in lieu of CHM 131/131A and CHM 132 for transferability purposes.**]**

BIOPROCESS TECHNOLOGY

(D50440)

Diploma

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
BIO 110*	Principles of Biology	3	3	0	4
OR					
BIO 111*	General Biology I	3	3	0	4
BPM 110	Bioprocess Practices	3	4	0	5
BPM 111	Bioprocess Measurements	3	3	0	4
PTC 110	Industrial Environment	3	0	0	3
		12	**10**	**0**	**16**
SPRING SEMESTER (First Year)					
BPM 112	Upstream Bioprocessing	3	4	0	5
BUS 270	Professional Development	3	0	0	3
CHM 131**	Introduction to Chemistry	3	0	0	3
AND					
CHM 131A**	Introduction to Chemistry Lab	0	3	0	1
OR					
CHM 151*	General Chemistry I	3	3	0	4
ENG 110	Freshman Composition	3	0	0	3
OR					
ENG 111*	Writing and Inquiry	3	0	0	3
		12	**7**	**0**	**15**
SUMMER SEMESTER (First Year)					
BIO 275***	Microbiology	3	3	0	4
BPM 113	Downstream Bioprocessing	3	3	0	4
		6	**6**	**0**	**8**

TOTAL SEMESTER HOURS FOR DIPLOMA: **39**

BIOPROCESS TECHNOLOGY

(C50440C)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
BIO 110*	Principles of Biology	3	3	0	4
BPM 110	Bioprocess Practices	3	4	0	5
BPM 111	Bioprocess Measurements	3	3	0	4
PTC 110	Industrial Environment	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **16**

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

BUSINESS ADMINISTRATION
(A25120)
Associate in Applied Science Degree

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions and large to small business or industry.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
ACC 120***	Principles of Financial Accounting	3	2	0	4
BUS 110***	Introduction to Business	3	0	0	3
BUS 115***	Business Law I	3	0	0	3
BUS 121	Business Math	2	2	0	3
CIS 110**	Introduction to Computers	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
		16	**8**	**0**	**20**
SPRING SEMESTER (First Year)					
ACC 121***	Principles of Managerial Accounting	3	2	0	4
BUS 116	Business Law II	3	0	0	3
BUS 137***	Principles of Management	3	0	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
LOG 110	Introduction to Logistics	3	0	0	3
Mathematics Elective		3	0	0	3/4
(MAT 110, MAT 143*, MAT 152*)		**18**	**2**	**0**	**19/20**
FALL SEMESTER (Second Year)					
BUS 217	Employment Law & Regulations	3	0	0	3
BUS 260	Business Communications	3	0	0	3
MKT 120	Principles of Marketing	3	0	0	3
Economics Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*)					
Social/Behavioral Science Elective		3	0	0	3
(HIS 111*, HIS 112*, HIS 131*, HIS 132*,					
POL 120*, PSY 118, PSY 150*, SOC 210*)		**15**	**0**	**0**	**15**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
BUS 153	Human Resource Management	3	0	0	3
BUS 225	Business Finance	2	2	0	3
CTS 130	Spreadsheet	2	2	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Major Elective					3
		10	**4**	**0**	**15**

MAJOR ELECTIVE LIST: (Select a minimum of 3 hours)

		Class	Lab	Clinical	Credits
ACC 131	Federal Income Taxes	2	2	0	3
ACC 140	Payroll Accounting	1	2	0	2
ACC 150	Accounting Software Application	1	2	0	2
ACC 225	Cost Accounting	3	0	0	3
BUS 270	Professional Development	3	0	0	3
CIS 162	MM Presentation Software	2	2	0	3
OST 136	Word Processing	2	2	0	3
SPA 111**	Elementary Spanish I	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 69-70

BUSINESS MANAGEMENT
(C25120C)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
BUS 110***	Introduction to Business	3	0	0	3
BUS 115***	Business Law I	3	0	0	3
BUS 137***	Principles of Management	3	0	0	3
CIS 110**	Introduction to Computers	2	2	0	3
MKT 120	Principles of Marketing	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 15

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

FRONT LINE MANAGEMENT
(C25120F)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
ACC 120***	Principles of Financial Accounting	3	2	0	4
BUS 110***	Introduction to Business	3	0	0	3
BUS 137***	Principles of Management	3	0	0	3
BUS 217	Employment Law & Regulations	3	0	0	3
BUS 270	Professional Development	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 16

CARPENTRY

(D35180)
Diploma

The Carpentry curriculum prepares individuals to apply technical knowledge and skills to lay out, cut, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. This includes instruction in technical mathematics, framing, construction materials and selection, job estimating, print reading, foundations and roughing-in, finish carpentry techniques, and applicable codes and standards.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations. This curriculum is designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
BPR 130	Print Reading - Construction	3	0	0	3
CAR 111	Carpentry I	3	15	0	8
CAR 114	Residential Bldg Codes	3	0	0	3
ENG 110	Freshman Composition	3	0	0	3
		12	**15**	**0**	**17**
SPRING SEMESTER (First Year)					
CAR 112	Carpentry II	3	15	0	8
CAR 113	Carpentry III	3	9	0	6
CAR 115	Residential Planning/Estimating	3	0	0	3
MAT 110	Math Measurement & Literacy	2	2	0	3
		11	**26**	**0**	**20**

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **37**

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

RESIDENTIAL FOUNDATIONS & FRAMING
(C35180R)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
BPR 130	Print Reading - Construction	3	0	0	3
CAR 111	Carpentry I	3	15	0	8
CAR 115	Residential Planning/Estimating	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 14

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

COMPUTED TOMOGRAPHY
(C45200A)
Certificate

The Computed Tomography Technology curriculum prepares students to use specialized equipment to visualize cross-sectional anatomical structures and aid physicians in the demonstration of pathologies and disease processes. Individuals entering this curriculum must be registered or registry-eligible by the American Registry of Radiologic Technologists (ARRT) in radiography, radiation therapy, or nuclear medicine technology. Nuclear medicine technology applicants may also be registered or registry eligible by the Nuclear Medicine Technology Certification Board (NMTCB).

Course work prepares the technologist to provide patient care and perform studies utilizing imaging equipment, professional communication, and quality assurance in scheduled and emergency procedures through academic and clinical studies.

Graduates may be eligible to sit for the American Registry of Radiologic Technologist Advanced-Level testing in Computed Tomography. They may find employment in facilities which perform these imaging procedures.

ECC is approved by the North Carolina Community College System to offer the Computed Tomography Technology Curriculum. ECC has entered into a Level III Instructional Service Agreement with Johnston Community College and Vance-Granville Community College to better meet the needs of health care facilities across eastern North Carolina. This collaborative program is referred to as the Eastern North Carolina Consortium of Computed Tomography and Magnetic Resonance Imaging program. Each semester the curriculum is offered through ECC and taught at one or more of the colleges within the Consortium.

In all health sciences programs, students are assigned clinical rotations with area health care agencies. The student must meet employee health standards and the criminal background and/or drug screening requirements of the agency at the student's expense prior to or at any time after beginning the program.

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
CAT 210	CT Physics & Equipment	3	0	0	3
CAT 211	CT Procedures	4	0	0	4
CAT 231	CT Clinical Practicum	0	0	33	11

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE:　　18

Note: Certificate is awarded by Edgecombe Community College

COSMETOLOGY
(D55140)
Diploma

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
COS 111	Cosmetology Concepts I	4	0	0	4
COS 112	Salon I	0	24	0	8
		4	**26**	**0**	**13**
SPRING SEMESTER (First Year)					
COS 113	Cosmetology Concepts II	4	0	0	4
COS 114	Salon II	0	24	0	8
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
		7	**24**	**0**	**15**
SUMMER SEMESTER (First Year)					
COS 115	Cosmetology Concepts III	4	0	0	4
COS 116	Salon III	0	12	0	4
		4	**12**	**0**	**8**
FALL SEMESTER (Second Year)					
COS 117	Cosmetology Concepts IV	2	0	0	2
COS 118	Salon IV	0	21	0	7
	OR				
COS 223	Contemp Hair Coloring	1	3	0	2
Social/Behavioral Science Elective		3	0	0	3
(ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)					
		5/6	**3/21**	**0**	**7/12**

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **43-48**

COSMETOLOGY

(C55140C)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
COS 111	Cosmetology Concepts I	4	0	0	4
COS 112	Salon I	0	24	0	8
		4	**24**	**0**	**12**
SPRING SEMESTER (First Year)					
COS 113	Cosmetology Concepts II	4	0	0	4
COS 114	Salon II	0	24	0	8
		4	**24**	**0**	**12**
SUMMER SEMESTER (First Year)					
COS 115	Cosmetology Concepts III	4	0	0	4
COS 116	Salon III	0	12	0	4
		4	**12**	**0**	**8**
FALL SEMESTER (Second Year)					
COS 223	Contemp Hair Coloring	1	3	0	2

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **34**

[Note: The cosmetology certificate program will only qualify students for the 1200 hour state apprenticeship license which per the NC State Board of Cosmetology requires that the licensed apprentice practice art under a fully licensed Cosmetologist for a specified amount of time before becoming eligible to be fully licensed.]

[Note: This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

COSMETOLOGY INSTRUCTOR

(C55160)

Certificate

The Cosmetology Instructor curriculum provides a course of study for learning the skills needed to teach the theory and practice of cosmetology as required by the North Carolina Board of Cosmetic Arts.

Course work includes requirements for becoming an instructor, introduction to teaching theory, methods and aids, practice teaching, and development of evaluation instruments.

Graduates of the program may be employed as cosmetology instructors in public or private education and business.

Enrollment in this program is restricted in accordance with regulations set forth by the North Carolina Board of Cosmetic Art Examiners.

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
COS 271	Instructor Concepts I	5	0	0	5
COS 272	Instructor Practicum I	0	21	0	7
		5	**21**	**0**	**12**
SPRING SEMESTER (First Year)					
COS 273	Instructor Concepts II	5	0	0	5
COS 274	Instructor Practicum II	0	21	0	7
		5	**21**	**0**	**12**

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **24**

[**Note**: Qualifying student must hold a current and valid Cosmetology License with six months of experience as a licensed Cosmetologist.]

CRIMINAL JUSTICE TECHNOLOGY

(A55180)

Associate in Applied Science Degree

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections and security services. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics and community relations. Additional study may include issues and concepts of government, counseling, communications, computers and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Students who have successfully completed CJC-100 **or** *CJC-3938 Basic Law Enforcement Training course accredited by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriff's Education and Training Standards Commission within 10 years prior to application and passed the Commission's comprehensive certificate examination may receive up to 19 hours credit towards the Associate in Applied Science degree in Criminal Justice Technology. Students may receive credit for the following courses: CJC 131, CJC 132, CJC 151, CJC 212, CJC 221, and CJC 231. For students entering the Criminal Justice Technology curriculum program who completed the BLET curriculum at a non NCCCS institution or greater than 10 years prior to application, course credit will be evaluated on a case-by-case basis.*

For employability reasons, the Criminal Justice Technology program recommends that students entering the Criminal Justice Technology program are U.S. citizens and have not committed or been convicted of any felony, and have not committed or been convicted of four or more crimes defined as Class A or B misdemeanors.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CJC 111***	Introduction to Criminal Justice	3	0	0	3
CJC 121***	Law Enforcement Operations	3	0	0	3
CJC 141***	Corrections	3	0	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
Major Elective					3
		12	**2**	**0**	**16**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (First Year)					
CIS 110**	Introduction to Computers	2	2	0	3
CJC 112	Criminology	3	0	0	3
CJC 113	Juvenile Justice	3	0	0	3
CJC 131	Criminal Law	3	0	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
Major Elective					3
		14	**2**	**0**	**18**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
CJC 151	Introduction to Loss Prevention	3	0	0	3
CJC 221	Investigative Principles	3	2	0	4
CJC 231	Constitutional Law	3	0	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, HUM 122**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Social/Behavioral Science Elective		3	0	0	3
(ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)					
		15	**2**	**0**	**16**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
CJC 212	Ethics & Community Relations	3	0	0	3
CJC 241	Community-Based Corrections	3	0	0	3
Natural Science/Mathematics Elective					3/4
(BIO 110*, BIO 111*, BIO 140**, BIO 160, MAT 110, MAT 143*)					
Major Elective					3
Major Elective					3
Major Elective					1
		6	**0**	**0**	**16/17**

	Title	Class	Lab	Work Exp/ Clinical	Credits
MAJOR ELECTIVES: (Select a minimum of 13 hours)					
BIO 140A**	Environmental Biology Lab	0	3	0	1
BUS 270	Professional Development	3	0	0	3
CJC 122	Community Policing	3	0	0	3
CJC 132	Court Procedure & Evidence	3	0	0	3
CJC 160	Terrorism: Underlying Issues	3	0	0	3
CJC 214	Victimology	3	0	0	3
CJC 225	Crisis Intervention	3	0	0	3
HEA 110***	Personal Health/Wellness	3	0	0	3
SOC 242***	Sociology of Deviance	3	0	0	3
SPA 120	Spanish in the Workplace	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 131	Work-Based Learning III	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **66-67**

CRIMINAL JUSTICE AND SPECIAL POPULATIONS

(C55180C)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
CJC 111	Introduction to Criminal Justice	3	0	0	3
CJC 112	Criminology	3	0	0	3
CJC 113	Juvenile Justice	3	0	0	3
CJC 221	Investigative Principles	3	2	0	4

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE:　　13

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

CULINARY ARTS
(A55150)
Associate in Applied Science Degree

The Culinary Arts curriculum provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of foodservice settings including full service restaurants, hotels, resorts, clubs, catering operations, contract foodservice, and health care facilities.

Students will be provided theoretical knowledge/practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Courses include sanitation/safety, baking, garde manger, culinary fundamentals/production skills, nutrition, customer service, purchasing/cost control, and human resource management.

Graduates should qualify for entry-level opportunities including prep cook, line cook, and station chef.

American Culinary Federation certification is available to graduates. With experience, graduates may advance to positions including sous chef, pastry chef, executive chef, or foodservice manager.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CUL 110	Sanitation & Safety	2	0	0	2
CUL 140	Culinary Skills I	2	6	0	5
CUL 160	Baking I	1	4	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, HUM 122**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
		11	**12**	**0**	**17**
SPRING SEMESTER (First Year)					
CUL 112	Nutrition for Food Service	3	0	0	3
CUL 120	Purchasing	2	0	0	2
CUL 135	Food and Beverage Service	2	0	0	2
CUL 135A	Food & Beverage Service Lab	0	2	0	1
CUL 170	Garde Manger I	1	4	0	3
CUL 170A	Garde Manger I Lab	0	3	0	1
Mathematics Elective					3/4
(MAT 110, MAT 143*, MAT 152*)		**8**	**9**	**0**	**15/16**
FALL SEMESTER (Second Year)					
CUL 230	Global Cuisines	1	8	0	5
CUL 240	Culinary Skills II	1	8	0	5
CUL 280	Pastry and Confections	1	4	0	3
ENG 112*	Writing & Research in the Disc.	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
		6	**20**	**10**	**17**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
CUL 250	Classical Cuisine	1	8	0	5
CUL 260	Baking II	1	4	0	3
HRM 245	Human Resource Mgmt-Hosp	3	0	0	3
WBL 121	Work-Based Learning II	0	0	10	1
Social/Behavioral Science Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)		**8**	**12**	**10**	**15**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **64/65**

BASIC BAKING
(C55150C)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
CUL 110	Sanitation & Safety	2	0	0	2
CUL 135	Food and Beverage Service	2	0	0	2
CUL 140	Culinary Skills I	2	6	0	5
CUL 160	Baking I	1	4	0	3
CUL 260	Baking II	1	4	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **15**

[Note: This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

RESTAURANT HOSPITALITY
(C55150R)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
CUL 110	Sanitation & Safety	2	0	0	2
CUL 120	Purchasing	2	0	0	2
CUL 135	Food and Beverage Service	2	0	0	2
CUL 140	Culinary Skills I	2	6	0	5
HRM 245	Human Resource Mgmt-Hosp	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **14**

EARLY CHILDHOOD EDUCATION
Transfer Track
(A55220)
Associate in Applied Science Degree

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/ language, physical/motor, social/emotional and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs; preschools; public and private schools; recreational centers; Head Start Programs; and school-age programs.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 122***	College Transfer Success	0	2	0	1
EDU 119	Intro to Early Childhood Education	4	0	0	4
EDU 144	Child Development I	3	0	0	3
EDU 146	Child Guidance	3	0	0	3
ENG 111*	Writing and Inquiry	3	0	0	3
MAT 143*	Quantitative Literacy	2	2	0	3
		15	**4**	**0**	**17**
SPRING SEMESTER (First Year)					
BIO 110*	Principles of Biology	3	3	0	4
EDU 131	Child, Family, & Community	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 151	Creative Activities	3	0	0	3
EDU 234	Infants, Toddlers, and Twos	3	0	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
		18	**3**	**0**	**19**
SUMMER SEMESTER (First Year)					
PSY 150*	General Psychology	3	0	0	3
SOC 210*	Introduction to Sociology	3	0	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, MUS 110*, MUS 112*, PHI 215*, PHI 240*)		**9**	**0**	**0**	**9**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
COM 231*	Public Speaking	3	0	0	3
EDU 153	Health, Safety & Nutrition	3	0	0	3
EDU 221***	Children with Exceptionalities	3	0	0	3
EDU 259	Curriculum Planning	3	0	0	3
EDU 216**	Foundations of Education	3	0	0	3
	OR				
EDU 261	Administration I	3	0	0	3
		15	**0**	**0**	**15**
SPRING SEMESTER (Second Year)					
EDU 250	Teacher Licensure Preparation	3	0	0	3
	OR				
EDU 262	Administration II	3	0	0	3
EDU 280	Language & Literacy Experience	3	0	0	3
EDU 284	Early Child Capstone Practicum	1	9	0	4
(Criminal History Check required for EDU 284)					
GEL 111*	Geology	3	2	0	4
		10	**11**	**0**	**14**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 74

EARLY CHILDHOOD EDUCATION
Local Track
(A55220N)
Associate in Applied Science Degree

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
EDU 119	Intro to Early Childhood Education	4	0	0	4
EDU 144	Child Development I	3	0	0	3
EDU 146	Child Guidance	3	0	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
		13	**2**	**0**	**14**
SPRING SEMESTER (First Year)					
COM 231*	Public Speaking	3	0	0	3
	OR				
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
EDU 131	Child, Family, & Community	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 151	Creative Activities	3	0	0	3
EDU 234	Infants, Toddlers, and Twos	3	0	0	3
		15	**0**	**0**	**15**
SUMMER SEMESTER (First Year)					
Humanities/Fine Arts Elective		3	0	0	3

(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,
 HUM 122**, HUM 150**, MUS 110*, PHI 215*, PHI 240*)

Natural Science/Mathematics Elective					3/4

(BIO 110*, BIO 140**, GEL 111*, MAT 110, MAT 143*, MAT 152*)

Selected Track Course					3
		3	**0**	**0**	**9/10**
FALL SEMESTER (Second Year)					
EDU 153	Health, Safety & Nutrition	3	0	0	3
EDU 221***	Children with Exceptionalities	3	0	0	3
EDU 259	Curriculum Planning	3	0	0	3
Social/Behavioral Science Elective		3	0	0	3

(HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*,
PSY 118, PSY 150*, SOC 210*)

Selected Track Course					3
		12	**0**	**0**	**15**

		Class	Lab	Work Exp/ Clinical	Credits
	Title	Class	Lab	Clinical	Credits
SPRING SEMESTER (Second Year)					
EDU 280	Language & Literacy Experience	3	0	0	3
EDU 284	Early Child Capstone Practicum	1	9	0	4
(Criminal History Check required for EDU 284)					
EDU 287	Leadership/ECE	3	0	0	3
Selected Track Course					3
		7	**9**	**0**	**13**

OTHER REQUIRED HOURS: (Select 9 hours from <u>one</u> track)

I. General Early Childhood Track:

EDU 152	Music, Movement & Language	3	0	0	3
EDU 162	Observation & Assessment in ECE	3	0	0	3
EDU 251	Exploration Activities	3	0	0	3
EDU 271	Educational Technology	2	2	0	3

II. Administration Track:

BUS 217	Employment Law & Regulations	3	0	0	3
EDU 261	Administration I	3	0	0	3
EDU 262	Administration II	3	0	0	3

III. Special Education Track:

EDU 154	Social/Emotional/Behavior Development	3	0	0	3
EDU 220	Program Policies in Early Intervention	3	0	0	3
EDU 248	Developmental Delays	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 66/67

EARLY CHILDHOOD EDUCATION
(D55220)
Diploma

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credit
FALL SEMESTER (First Year)					
EDU 119	Intro to Early Childhood Education	4	0	0	4
EDU 144	Child Development I	3	0	0	3
EDU 146	Child Guidance	3	0	0	3
EDU 153	Health, Safety & Nutrition	3	0	0	3
ENG 110	Freshman Composition	3	0	0	3
		16	**0**	**0**	**16**
SPRING SEMESTER (First Year)					
EDU 145	Child Development II	3	0	0	3
EDU 151	Creative Activities	3	0	0	3
EDU 280	Language & Literacy Experience	3	0	0	3
PSY 118	Interpersonal Psychology	3	0	0	3
		12	**0**	**0**	**12**
SUMMER SEMESTER (First Year)					
EDU 131	Child, Family, & Community	**3**	**0**	**0**	**3**
FALL SEMESTER (Second Year)					
EDU 221***	Children with Exceptionalities	3	0	0	3
EDU 259	Curriculum Planning	3	0	0	3
EDU 284	Early Child Capstone Prac	1	9	0	4
(Criminal History Check required before beginning Practicum hours)					
		7	**9**	**0**	**10**

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **41**

EARLY CHILDHOOD EDUCATION

ADMINISTRATION CERTIFICATE
(C55220A)

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
EDU 119	Intro to Early Childhood Education	4	0	0	4
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 261	Administration I	3	0	0	3
EDU 262	Administration II	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **16**

GENERAL EDUCATION CERTIFICATE
(C55220C)

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
EDU 119	Intro to Early Childhood Education	4	0	0	4
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 146	Child Guidance	3	0	0	3
EDU 151	Creative Activities	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **16**

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

SPECIAL NEEDS CERTIFICATE
(C55220S)

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
EDU 119	Intro to Early Childhood Education	4	0	0	4
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 221***	Children with Exceptionalities	3	0	0	3
(Select <u>one</u> course from the following)					
EDU 154	Social/Emotional/Behavior Development	3	0	0	3
EDU 220	Program Policies in Early Intervention	3	0	0	3
EDU 223	Specific Learning Disabilities	3	0	0	3
EDU 247	Sensory & Physical Disabilities	3	0	0	3
EDU 248	Developmental Delays	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **16**

ELECTRICAL SYSTEMS TECHNOLOGY

(D35130)

Diploma

The Electrical Systems Technology curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Course work, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice, assisting in the layout, installation and maintenance of electrical systems.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ELC 112	DC/AC Electricity	3	6	0	5
ELC 113	Residential Wiring	2	6	0	4
ELC 118	National Electrical Code	1	2	0	2
ELC 125	Diagrams and Schematics	1	2	0	2
ENG 110	Freshman Composition	3	0	0	3
MAT 110	Math Measurement & Literacy	2	2	0	3
		12	**18**	**0**	**19**
SPRING SEMESTER (First Year)					
ELC 115	Industrial Wiring	2	6	0	4
ELC 117	Motors and Controls	2	6	0	4
ELC 128	Introduction to PLC	2	3	0	3
ELC 215	Electrical Maintenance	2	3	0	3
ELN 229	Industrial Electronics	3	3	0	4
		11	**21**	**0**	**18**
SUMMER SEMESTER (First Year)					
Major Elective					**2**
MAJOR ELECTIVE LIST: (Select a minimum of 2 hours)					
BPR 111	Print Reading	1	2	0	2
BUS 110***	Introduction to Business	3	0	0	3
CIS 110**	Introduction to Computers	2	2	0	3
ELC 114	Commerical Wiring	2	6	0	4
ISC 112	Industrial Safety	2	0	0	2
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: 39

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

BASIC WIRING

(C35130B)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
ELC 112	DC/AC Electricity	3	6	0	5
ELC 113	Residential Wiring	2	6	0	4
ELC 117	Motors and Controls	2	6	0	4
ELC 118	National Electrical Code	1	2	0	2

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 15

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

INDUSTRIAL WIRING

(C35130W)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
ELC 112	DC/AC Electricity	3	6	0	5
ELC 113	Residential Wiring	2	6	0	4
ELC 115	Industrial Wiring	2	6	0	4
ELC 125	Diagrams and Schematics	1	2	0	2

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 15

ELECTRONICS ENGINEERING TECHNOLOGY
(A40200)
Associate in Applied Science Degree

The Electronics Engineering Technology program is designed to prepare students for employment as engineering technicians through the study and application of mathematics, science, technology, and the applied processes based on these subjects.

This course of study prepares students to apply basic engineering principles and technical skills to design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

This program includes instruction in mathematics, basic electricity, solid-state fundamentals, digital concepts, microprocessors, and programmable logic controllers.

Graduates should qualify for employment as electronics engineering technicians, field service technicians, instrumentation technicians, maintenance technicians, electronics testers, electronic systems integrators, bench technicians, and production control technicians.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
ELC 131	Circuit Analysis I	3	3	0	4
ELN 133	Digital Electronics	3	3	0	4
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
MAT 121	Algebra/Trigonometry I	2	2	0	3
	OR				
MAT 171*	Precalculus Algebra	3	2	0	4
		11/12	**10**	**0**	**15/16**
SPRING SEMESTER (First Year)					
CIS 110**	Introduction to Computers	2	2	0	3
ELC 130	Advanced Motors/Controls	2	2	0	3
ELC 133	Circuit Analysis II	3	3	0	4
ELN 131	Analog Electronics I	3	3	0	4
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
		13	**10**	**0**	**17**
FALL SEMESTER (Second Year)					
CSC 133	C Programming	2	3	0	3
ELN 235	Data Communications	3	3	0	4
ELN 275	Troubleshooting	1	3	0	2
Social/Behavioral Science Elective					3
(ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*,					
POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)					
Major Elective					3
		6	**9**	**0**	**15**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
ELN 232	Introduction to Microprocessors	3	3	0	4
ELN 247	Electronic App Project	1	3	0	2
ELN 260	Programamble Logic Controllers	3	3	0	4
PHY 131	Physics - Mechanics	3	2	0	4
Humanities/Fine Arts Elective					3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115*,					
HUM 122*, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
		10	**11**	**0**	**17**

	Title	Class	Lab	Work Exp/ Clinical	Credits
MAJOR ELECTIVE LIST: (Select a minimum of 3 hours)					
ALT 120	Renewable Energy Technology	2	2	0	3
ATR 112	Introduction to Automation	2	3	0	3
CTS 120	Hardware/Software Support	2	3	0	3
ELC 213	Instrumentation	3	2	0	4
ELN 132	Analog Electronics II	3	3	0	4
ISC 112	Industrial Safety	2	0	0	2
MEC 130	Mechanisms	2	2	0	3
SPA 111**	Elementary Spanish I	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 123	Work-Based Learning II	0	0	30	3
WBL 131	Work-Based Learning III	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 64-65

ELECTRONICS ENGINEERING TECHNOLOGY

(C40200C)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
ELC 131	Circuit Analysis I	3	3	0	4
ELN 131	Analog Electronics I	3	3	0	4
ELN 133	Digital Electronics	3	3	0	4
ELN 232	Intro to Microprocessors	3	3	0	4

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 16

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

HISTOTECHNOLOGY

(A45370)

Associate in Applied Science Degree

This curriculum provides individuals with the knowledge and skills necessary to prepare tissue specimens for microscopic examination using various stains and dyes to identify tissue and cell structures.

Course work emphasizes scientific concepts related to laboratory testing, quality assurance, histology, microscopy, and other related topics.

Graduates may be eligible to apply to take the national examination given by the American Society for Clinical Pathology (ASCP) Board of Certification (BOC). Employment opportunities include pathology laboratories in hospitals and clinics and medical or research laboratories.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
BIO 163***	Basic Anatomy & Physiology	4	2	0	5
CHM 130***	Gen, Org, & Biochemistry	3	0	0	3
CHM 130A***	Gen, Org, & Biochemistry Lab	0	2	0	1
ENG 111*	Writing and Inquiry	3	0	0	3
MAT 110	Math Measurement & Literacy	2	2	0	3
	OR				
MAT 143*	Quantitative Literacy	2	2	0	3
		12	**6**	**0**	**15**
SPRING SEMESTER (First Year)					
BIO 271	Pathophysiology	3	0	0	3
BIO 275***	Microbiology	3	3	0	4
PSY 150*	General Psychology	3	0	0	3
		9	**3**	**0**	**10**
SUMMER SEMESTER (First Year)					
CIS 110**	Introduction to Computers	2	2	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
HTO 110	Intro to Histotechnology	3	0	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, HUM 115**, MUS 110*,					
MUS 112*, PHI 215*, PHI 240*)		**11**	**2**	**0**	**12**
FALL SEMESTER (Second Year)					
HTO 120	Histology	4	3	0	5
HTO 130	Histotechniques	4	3	0	5
HTO 140	Histochemistry	4	3	0	5
		12	**9**	**0**	**15**
SPRING SEMESTER (Second Year)					
HTO 210	Histopathology	3	3	0	4
HTO 220	Histotechnology Clinical	0	0	24	8
HTO 230	Professional Issues	3	3	0	3
		6	**6**	**24**	**15**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **67**

HUMAN SERVICES TECHNOLOGY

(A45380)

Associate in Applied Science Degree

The Human Services Technology Curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and educational services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Students will take courses from a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for application of knowledge and skills learned in the classroom.

Graduates should qualify for positions in mental health, child care, family services, social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions.

The VGCC Human Services Technology program is nationally accredited by the Council for Standards in Human Services Education. Since the program is accredited, students can apply to take the Human Services Board Certified Practitioner exam prior to graduating and do not need to complete the 4,500 hours of experience needed by graduates of non-accredited programs.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ENG 111*	Writing and Inquiry	3	0	0	3
HSE 110	Intro to Human Services	2	2	0	3
HSE 210	Human Services Issues	2	0	0	2
PSY 150*	General Psychology	3	0	0	3
SAB 110	Substance Abuse Overview	3	0	0	3
		13	**2**	**0**	**14**
SPRING SEMESTER (First Year)					
HSE 112	Group Process	1	2	0	2
HSE 125	Counseling	2	2	0	3
HSE 225	Crisis Intervention	3	0	0	3
HSE 250	Financial Services	2	0	0	2
SAB 210	SAB Counseling	2	2	0	3
		10	**6**	**0**	**13**
SUMMER SEMESTER (First Year)					
CIS 110**	Introduction to Computers	2	2	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
SOC 210*	Introduction to Sociology	3	0	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
HUM 122**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)		**11**	**2**	**0**	**12**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
HSE 251	Activities Planning	2	2	0	3
PSY 281**	Abnormal Psychology	3	0	0	3
SOC 220**	Social Problems	3	0	0	3
SWK 113	Working with Diversity	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
	OR				
WBL 112	Work-Based Learning I	0	0	20	2
WBL 115	Work-Based Learning Seminar I	1	0	0	1
[Note: WBL 111 & WBL 115 are also offered Spring Semester.]		**12**	**2**	**10/20**	**14/15**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
HSE 123	Interviewing Techniques	2	2	0	3
HSE 245	Stress Management	2	2	0	3
HSE 255	Health Prob & Prevent	2	2	0	3
MAT 110	Math Measurement & Literacy	2	2	0	3
WBL 121	Work-Based Learning II	0	0	10	1
[Note: WBL 121 is also offered Fall semester.]		**8**	**8**	**10**	**13**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **66-67**

HUMAN SERVICES TECHNOLOGY/ GERONTOLOGY

(A4538B)

Associate in Applied Science Degree

The Human Services Technology/Gerontology concentration prepares students to specialize in direct service delivery work to older adults and their families. The curriculum provides both theoretical and applied models for understanding issues of aging.

Course work includes physical, psychological, and social aspects of the aging process; as well as health, wellness, nutrition, diet, exercise, and well-being. Fieldwork experiences provide opportunities to work in a variety of public and private agencies.

Graduates should qualify for employment in nursing and rest homes, specialized adult care services, respite services, and other programs servicing older adults and their families. Graduates choosing to continue their education may select a variety of programs at senior institutions.

The VGCC Human Services Technology program is nationally accredited by the Council for Standards in Human Services Education. Since the program is accredited, students can apply to take the Human Services Board Certified Practitioner exam prior to graduating and do not need to complete the 4,500 hours of experience needed by graduates of non-accredited programs.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ENG 111*	Writing and Inquiry	3	0	0	3
GRO 120	Gerontology	3	0	0	3
HSE 110	Intro to Human Services	2	2	0	3
HSE 210	Human Services Issues	2	0	0	2
PSY 150*	General Psychology	3	0	0	3
		13	**2**	**0**	**14**
SPRING SEMESTER (First Year)					
GRO 220	Psy/Social Aspects of Aging	3	0	0	3
HSE 112	Group Process	1	2	0	2
HSE 125	Counseling	2	2	0	3
HSE 225	Crisis Intervention	3	0	0	3
SOC 244***	Sociology of Death & Dying	3	0	0	3
		12	**4**	**0**	**14**
SUMMER SEMESTER (First Year)					
CIS 110**	Introduction to Computers	2	2	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
SOC 210*	Introduction to Sociology	3	0	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
HUM 122**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)		**11**	**2**	**0**	**12**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
GRO 240	Gerontology Care Management	3	0	0	3
HSE 251	Activities Planning	2	2	0	3
PSY 281**	Abnormal Psychology	3	0	0	3
SWK 113	Working with Diversity	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
	OR				
WBL 112	Work-Based Learning I	0	0	20	2
WBL 115	Work-Based Learning Seminar I	1	0	0	1
[Note: WBL 111 & WBL 115 are also offered Spring Semester.]		**12**	**2**	**10/20**	**14/15**
SPRING SEMESTER (Second Year)					
GRO 230	Health, Wellness & Nutrition	3	2	0	4
HSE 123	Interviewing Techniques	2	2	0	3
MAT 110	Math Measurement & Literacy	2	2	0	3
SOC 220**	Social Problems	3	0	0	3
WBL 121	Work-Based Learning II	0	0	10	1
[Note: WBL 121 is also offered Fall semester.]		**10**	**6**	**10**	**14**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **68-69**

HUMAN SERVICES TECHNOLOGY/ SUBSTANCE ABUSE

(A4538E)

Associate in Applied Science Degree

The Human Services Technology/Substance Abuse concentration prepares students to assist in drug and alcohol counseling, prevention-oriented educational activities, rehabilitation with recovering clients, managing community-based programs, counseling in residential facilities, and pursuit of four-year degrees.

Course work includes classroom and experiential activities oriented toward an overview of chemical dependency, psychological/sociological process, the twelve Core Functions, intervention techniques with individuals in groups, and follow-up activities with recovering clients.

Graduates should qualify for positions as substance abuse counselors, DUI counselors, halfway house workers, residential facility employees, and substance education specialists. With educational and clinical experiences, graduates can obtain certification by the North Carolina Substance Abuse Professional Practice Board.

The VGCC Human Services Technology program is nationally accredited by the Council for Standards in Human Services Education. Since the program is accredited, students can apply to take the Human Services Board Certified Practitioner exam prior to graduating and do not need to complete the 4,500 hours of experience needed by graduates of non-accredited programs.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ENG 111*	Writing and Inquiry	3	0	0	3
HSE 110	Intro to Human Services	2	2	0	3
HSE 210	Human Services Issues	2	0	0	2
PSY 150*	General Psychology	3	0	0	3
SAB 110	Substance Abuse Overview	3	0	0	3
		13	**2**	**0**	**14**
SPRING SEMESTER (First Year)					
HSE 112	Group Process	1	2	0	2
HSE 125	Counseling	2	2	0	3
HSE 225	Crisis Intervention	3	0	0	3
SAB 120	SAB Intake and Assessment	3	0	0	3
SAB 210	Substance Abuse Counseling	2	2	0	3
		11	**6**	**0**	**14**
SUMMER SEMESTER (First Year)					
CIS 110**	Introduction to Computers	2	2	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
SOC 210*	Introduction to Sociology	3	0	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
HUM 122**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)		**11**	**2**	**0**	**12**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
PSY 281**	Abnormal Psychology	3	0	0	3
SAB 135	Addictive Process	3	0	0	3
SAB 240	SAB Issues in Client Services	3	0	0	3
SOC 220**	Social Problems	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
	OR				
WBL 112	Work-Based Learning I	0	0	20	2
WBL 115	Work-Based Learning Seminar I	1	0	0	1
[Note: WBL 111 & WBL 115 are also offered Spring Semester.]		**13**	**0**	**10/20**	**14/15**
SPRING SEMESTER (Second Year)					
HSE 123	Interviewing Techniques	2	2	0	3
MAT 110	Math Measurement & Literacy	2	2	0	3
PSY 241**	Developmental Psychology	3	0	0	3
SAB 125	SA Case Management	2	2	0	3
WBL 121	Work-Based Learning II	0	0	10	1
[Note: WBL 121 is also offered Fall semester.]		**9**	**6**	**10**	**14**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **67-68**

INFANT/TODDLER CARE
(C55290C)
Certificate

The curriculum prepares individuals to work with children from infancy to three years of age in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with infants and toddlers.

Course work includes infant/toddler growth and development: physical/nutritional needs of infants and toddlers; safety issues in the care of infants and toddlers; care and guidance; communication skills with families and children; design an implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate infant/toddler programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Early Head Start Programs, and other infant/toddler programs.

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
EDU 119	Intro to Early Childhood Education	4	0	0	4
EDU 131	Child, Family and Community	3	0	0	3
EDU 144	Child Development I	3	0	0	3
EDU 153	Health, Safety and Nutrition	3	0	0	3
EDU 234	Infants, Toddlers & Twos	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 16

[Note: This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

INFORMATION TECHNOLOGY

(A25590)

Associate in Applied Science Degree

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

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

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

Note: The Information Technology program was formerly known as Computer Technology Integration (CTI). Students still coded under CTI should refer to their catalog of record.

IT BUSINESS SUPPORT TRACK

(A25590I)

Associate in Applied Science Degree

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CIS 110**	Introduction to Computers	2	2	0	3
CTI 110	Web, Programming and DB Foundation	2	2	0	3
CTI 120	Network & Security Foundation	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
NOS 110	Operating Systems Concepts	2	3	0	3
		11	**11**	**0**	**16**
SPRING SEMESTER (First Year)					
CIS 115**	Intro. to Prog. & Logic	2	3	0	3
CTS 130	Spreadsheet	2	2	0	3
DBA 110	Database Concepts	2	3	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
Mathematics Elective					3/4
(MAT 110, MAT 121, MAT 143*, MAT 152*)		**9**	**8**	**0**	**15/16**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
ACC 120***	Principles of Financial Accounting	3	2	0	4
BUS 270	Professional Development	3	0	0	3
CTS 115***	Info Sys Business Concepts	3	0	0	3
CTS 120	Hardware/Software Support	2	3	0	3
CTS 230	Advanced Spreadsheet	2	2	0	3
DBA 115	Database Applications	2	2	0	3
		15	**9**	**0**	**19**
SPRING SEMESTER (Second Year)					
CIS 162	MM Presentation Software	2	2	0	3
CTI 289	CTI Capstone Project	1	6	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Social/Behavioral Science Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)					
Major Elective					3
		9	**8**	**0**	**15**

MAJOR ELECTIVE LIST: for IT BUSINESS SUPPORT (Select a minimum of 3 hours)

	Title	Class	Lab	Work Exp/ Clinical	Credits
CSC 151***	JAVA Programming	2	3	0	3
CTI 141	Cloud & Storage Concepts	1	4	0	3
CTI 150	Mobile Computing Devices	2	2	0	3
CTS 220	Adv Hardware/Software Support	2	3	0	3
OST 136	Word Processing	2	2	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 123	Work-Based Learning II	0	0	30	3
WBL 131	Work-Based Learning III	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 65/66

IT CYBER SECURITY TRACK

(A25590Y)
Associate in Applied Science Degree

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CCT 110	Intro to Cyber Crime	3	0	0	3
CIS 110**	Introduction to Computers	2	2	0	3
CTI 110	Web, Programming and DB Foundation	2	2	0	3
CTI 120	Network & Security Foundation	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
NOS 110	Operating Systems Concepts	2	3	0	3
		14	**11**	**0**	**19**
SPRING SEMESTER (First Year)					
CCT 220	Forensic Accounting	3	3	0	4
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
NET 125	Introduction to Networks	1	4	0	3
SEC 110	Security Concepts	2	2	0	3
		9	**9**	**0**	**13**
FALL SEMESTER (Second Year)					
CTS 115***	Info Sys Business Concepts	3	0	0	3
CTS 120	Hardware/Software Support	2	3	0	3
DBA 110	Database Concepts	2	3	0	3
NET 126	Routing Basics	1	4	0	3
SEC 150	Secure Communications	2	2	0	3
Mathematics Elective					3/4
(MAT 110, MAT 121, MAT 143*, MAT 152*)		**10**	**12**	**0**	**18/19**
SPRING SEMESTER (Second Year)					
CCT 121	Computer Crime Invest.	3	2	0	4
CCT 289	Capstone Project	1	6	0	3
NET 225	Routing & Switching I	1	4	0	3
NET 226	Routing & Switching II	1	4	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Social/Behavioral Science Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)		**12**	**14**	**0**	**19**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 68-69

IT HEALTHCARE INFORMATICS TRACK

(A25590H)
Associate in Applied Science Degree

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CIS 110**	Introduction to Computers	2	2	0	3
CTI 110	Web, Programming and DB Foundation	2	2	0	3
CTI 120	Network & Security Foundation	2	2	0	3
HBI 110	Issues and Trends in HBI	3	0	0	3
HBI 113	Survey of Med Insurance	3	0	0	3
NOS 110	Operating Systems Concepts	2	3	0	3
		14	**11**	**0**	**19**
SPRING SEMESTER (First Year)					
DBA 110	Database Concepts	2	3	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
NET 125	Introduction to Networks	1	4	0	3
OST 141	Med Office Terms I	3	0	0	3
OST 142	Med Office Terms II	3	0	0	3
		12	**7**	**0**	**15**
FALL SEMESTER (Second Year)					
CTS 115***	Info Sys Business Concepts	3	0	0	3
CTS 120	Hardware/Software Support	2	3	0	3
DBA 120	Database Programming 1	2	2	0	3
HBI 250	Data Mgmt and Utilization	2	2	0	3
OST 149	Medical Legal Issues	3	0	0	3
Mathematics Elective					3/4
(MAT 110, MAT 121, MAT 143*, MAT 152*)		**12**	**7**	**0**	**18/19**
SPRING SEMESTER (Second Year)					
CTS 130	Spreadsheet	2	2	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
HBI 289	HBI Project	1	4	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Social/Behavioral Science Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)					
		12	**6**	**0**	**15**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 67-68

IT NETWORKING & SECURITY TRACK

(A25590N)
Associate in Applied Science Degree

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CIS 110**	Introduction to Computers	2	2	0	3
CTI 110	Web, Programming and DB Foundation	2	2	0	3
CTI 120	Network & Security Foundation	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
NOS 110	Operating Systems Concepts	2	3	0	3
		11	**11**	**0**	**16**
SPRING SEMESTER (First Year)					
CTI 141	Cloud & Storage Concepts	1	4	0	3
CTI 150	Mobile Computing Devices	2	2	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
NET 125	Introduction to Networks	1	4	0	3
Mathematics Elective					3/4
(MAT 110, MAT 121, MAT 143*, MAT 152*)					
Social/Behavioral Science Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)		**10**	**10**	**0**	**18/19**
FALL SEMESTER (Second Year)					
CTS 115***	Info Sys Business Concepts	3	0	0	3
CTS 120	Hardware/Software Support	2	3	0	3
NET 126	Routing Basics	1	4	0	3
NOS 120	Linux/UNIX Single User	2	2	0	3
SEC 150	Secure Communications	2	2	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)		**13**	**11**	**0**	**18**
SPRING SEMESTER (Second Year)					
CTI 289	CTI Capstone Project	1	6	0	3
NET 225	Routing & Switching I	1	4	0	3
NET 226	Routing & Switching II	1	4	0	3
SEC 160	Security Administration I	2	2	0	3
Major Elective					3
		5	**16**	**0**	**15**

	Title	Class	Lab	Work Exp/ Clinical	Credits
MAJOR ELECTIVE LIST: for Networking & Security (Select a minimum of 3 hours)					
BUS 270	Professional Development	3	0	0	3
CSC 134***	C++ Programming	2	3	0	3
CSC 139***	Visual Basic Programming	2	3	0	3
CSC 151***	JAVA Programming	2	3	0	3
CTS 130	Spreadsheet	2	2	0	3
CTS 220	Adv Hardware/Software Support	2	3	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 123	Work-Based Learning II	0	0	30	3
WBL 131	Work-Based Learning III	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 67-68

IT SIMULATION & GAME DEVELOPMENT TRACK

(A25590G)

Associate in Applied Science Degree

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CTI 110	Web, Programming and DB Foundation	2	2	0	3
CTI 120	Network & Security Foundation	2	2	0	3
CTS 115***	Info Sys Business Concepts	3	0	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
SGD 111	Introduction to SGD	2	3	0	3
SGD 112	SGD Design	2	3	0	3
		14	**12**	**0**	**19**
SPRING SEMESTER (First Year)					
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
SGD 113	SGD Programming	2	3	0	3
SGD 114	3D Modeling	2	3	0	3
SGD 116	Graphic Design Tools	2	2	0	3
SGD 212	SGD Design II	2	3	0	3
Mathematics Elective		3	0	0	3/4
(MAT 110, MAT 121, MAT 143*, MAT 152*)		**14**	**11**	**0**	**18/19**
FALL SEMESTER (Second Year)					
CTS 120	Hardware/Software Support	2	3	0	3
SGD 164	SG Audio/Video	2	3	0	3
SGD 168	Mobile SG Programming I	2	3	0	3
SGD 174	SG Level Design	2	3	0	3
SGD 214	3D Modeling II	2	3	0	3
Social/Behavioral Science Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)					
		13	**15**	**0**	**18**
SPRING SEMESTER (Second Year)					
SGD 134	SG Quality Assurance	2	2	0	3
SGD 288	SGD Portfolio Design	1	2	0	2
SGD 289	SGD Project	2	3	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Major Elective					3
		8	**7**	**0**	**14**

	Title	Class	Lab	Work Exp/ Clinical	Credits
MAJOR ELECTIVES: for Simulation & Game Development **(Select a minimum of 3 hours)**					
ART 131***	Drawing I	0	6	0	3
CIS 110**	Introduction to Computers	2	2	0	3
SGD 117	Art for Games	2	3	0	3
SGD 163	SG Documentation	2	3	0	3
SGD 167	SG Ethics	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 123	Work-Based Learning II	0	0	30	3
WBL 131	Work-Based Learning III	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **69-70**

IT WEB DESIGN & SUPPORT TRACK

(A25590W)
Associate in Applied Science Degree

Note: This program is being phased out and will only be available for continuing students through Spring semester 2020.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
CIS 110**	Introduction to Computers	2	2	0	3
CTI 110	Web, Programming and DB Foundation	2	2	0	3
CTI 120	Network & Security Foundation	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
NOS 110	Operating Systems Concepts	2	3	0	3
		11	**9**	**0**	**15**
SPRING SEMESTER (First Year)					
CIS 115**	Intro to Programming & Logic	2	3	0	3
DBA 110	Database Concepts	2	3	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
WEB 111	Intro. to Web Graphics	2	2	0	3
WEB 115	Web Markup and Scripting	2	2	0	3
		11	**10**	**0**	**15**
FALL SEMESTER (Second Year)					
CTS 115***	Info Sys Business Concepts	3	0	0	3
CTS 120	Hardware/Software Support	2	3	0	3
WEB 120	Intro. To Internet Multimedia	2	2	0	3
WEB 125	Mobile Web Design	2	2	0	3
WEB 151	Mobile Application Dev I	2	2	0	3
WEB 250	Database Driven Websites	2	2	0	3
Mathematics Elective					3/4
(MAT 110, MAT 121, MAT 143*, MAT 152*)		**13**	**11**	**0**	**21/22**
SPRING SEMESTER (Second Year)					
CTI 289	CTI Capstone Project	1	6	0	3
WEB 140	Web Development Tools	2	2	0	3
Humanities/Fine Arts Elective					3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Social/Behavioral Science Elective					3
(ECO 151**, ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)					
Major Elective					3
		3	**8**	**0**	**15**

	Title	Class	Lab	Work Exp/ Clinical	Credits
MAJOR ELECTIVE LIST: for Web Design & Support (Select a minimum of 3 hours)					
BUS 270	Professional Development	3	0	0	3
CTI 141	Cloud & Storage Concepts	1	4	0	3
CTI 150	Mobile Computing Devices	2	2	0	3
DBA 115	Database Applications	2	2	0	3
NOS 120	Linux/UNIX Single User	2	2	0	3
SGD 111	Introduction to SGD	2	3	0	3
SGD 112	SGD Design	2	3	0	3
SGD 113	SGD Programming	2	3	0	3
SGD 114	3D Modeling	2	3	0	3
SGD 116	Graphic Design Tools	2	2	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 123	Work-Based Learning II	0	0	30	3
WBL 131	Work-Based Learning III	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 66-67

INFORMATION TECHNOLOGY
(D25590)
Diploma

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
CIS 110	Introduction to Computers	2	2	0	3
CTI 110	Web, Pgm & DB Foundation	2	2	0	3
CTI 120	Network & Sec Foundation	2	2	0	3
CTS 115	Info Sys Business Concepts	3	0	0	3
ENG 110	Freshman Compostion	3	0	0	3
NOS 110	Operation Systems Concepts	2	3	0	3
		14	**9**	**0**	**18**
SPRING SEMESTER (First Year)					
CTI 141	Cloud & Storage Concepts	1	4	0	3
CTI 150	Mobile Computing Devices	2	2	0	3
CTS 120	Hardware/Software Support	2	3	0	3
CTS 130	Spreadsheet	2	2	0	3
DBA 110	Database Concepts	2	3	0	3
SOC 210*	Introduction to Sociology	3	0	0	3
		12	**14**	**0**	**18**

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: 36

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

IT-CISCO NETWORKING

(C25590CN)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
NET 125	Introduction to Networks	1	4	0	3
NET 126	Routing Basics	1	4	0	3
NET 225	Routing & Switching I	1	4	0	3
NET 226	Routing & Switching II	1	4	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **12**

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

IT-CYBER SECURITY SUPPORT

(C25590Y)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
CCT 110	Intro to Cyber Crime	3	0	0	3
CTI 120	Network & Security Foundation	2	2	0	3
NOS 110	Operating Systems Concepts	2	3	0	3
SEC 110	Security Concepts	2	2	0	3
SEC 150	Secure Communications	2	2	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **15**

IT-HEALTHCARE INFORMATICS SUPPORT

(C25590H)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
CIS 110**	Introduction to Computers	2	2	0	3
CTI 110	Web, Programming and DB Foundation	2	2	0	3
CTI 120	Network & Security Foundation	2	2	0	3
HBI 110	Issues and Trends in HBI	3	0	0	3
HBI 113	Survey of Med Insurance	3	0	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **15**

IT-SIMULATION & GAME DEVELOPMENT DESIGN FUNDAMENTALS

(C25590SG)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
SGD 111	Introduction to SGD	2	3	0	3
SGD 112	SGD Design	2	3	0	3
SGD 113	SGD Programming	2	3	0	3
SGD 114	3D Modeling	2	3	0	3
SGD 116	Graphic Design Tools	2	2	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 15

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

IT-SOFTWARE SPECIALIST

(C25590C)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
CIS 110	Introduction to Computers	2	2	0	3
CTI 110	Web, Pgm, & DB Foundation	2	2	0	3
CTI 120	Network & Sec Foundation	2	2	0	3
CTS 130	Spreadsheet	2	2	0	3
DBA 110	Database Concepts	2	3	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 18

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most cur rent CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

LATERAL ENTRY
(C55430)
Certificate

The Lateral Entry curriculum, provides a course of study leading to the development of the general pedagogy competencies needed to become certified to teach by the North Carolina Department of Public Instruction.

Course work includes human growth and development, learning theory, instructional technology, school policies and procedures, home, school, and community collaborations, and classroom organization and management to enhance learning. Courses offered by partnering senior institutions include instructional methods, literacy and diversity.

Graduates should meet the general pedagogy competencies within the first three years of teaching, including a minimum of six semester hours per school year. Additional requirements, such as pre-service training and passing the PRAXIS, are required for licensure.

For further information go to the Regional Alternative Licensing Centers website at http://www.ralc.us/.

[**Note**: A baccalaureate degree is required for participation in the Lateral Entry Certificate program.]

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
EDU 131	Child, Family and Community	3	0	0	3
EDU 163	Classroom Mgt & Instruct	3	0	0	3
EDU 243	Learning Theory	3	0	0	3
EDU 245	Policies and Procedures	3	0	0	3
EDU 271	Educational Technology	2	2	0	3

Required Subject Areas:
Human Development: (Select one)

	Title	Class	Lab	Clinical	Credits
EDU 244	Human Growth/Development	3	0	0	3
	OR				
PSY 241**	Developmental Psychology	3	0	0	3

Required courses that must be offered by partnering senior institution:

	Class	Lab	Clinical	Credits
Literacy/Reading Methods	**3**	**0**	**0**	**3**
Instructional Methods	**3**	**0**	**0**	**3**
Meeting Special Learning Needs,Exceptionalities and Diversity	**3**	**0**	**0**	**3**

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **27**

MAGNETIC RESONANCE IMAGING
(D45800)
Diploma

The Magnetic Resonance Imaging (MRI) curriculum prepares students to become MRI technologists and skilled healthcare professionals who are trained to use magnetic energy fields to produce images of the human body.

Individuals entering this curriculum must be registered or registry-eligible by the American Registry of Radiologic Technologists (ARRT) in radiography, radiation therapy, nuclear medicine technology, or Sonography. Nuclear medicine technology applicants may also be registered or registry eligible by the Nuclear Medicine Technology Certification Board (NMTCB). Sonography applicants may also be registered or registry eligible by the American Registry for Diagnostic Medical Sonography (ARDMS).

Course work includes clinical rotations, imaging fundamentals, MRI physics, procedures, anatomy, pathology, patient care, and imaging ethics and law in a medical environment. Students should be able to demonstrate all functional areas related to the magnetic resonance imaging field.

Graduates of accredited programs may be eligible to take the ARRT national examination for certification and registration as MRI technologists. Graduates may be employed in hospitals, outpatient clinics, physicians' offices, government agencies, and research.

ECC is approved by the North Carolina Community College System to offer the Magnetic Resonance Imaging Curriculum. ECC has entered into a Level III Instructional Service Agreement with Johnston Community College and Vance-Granville Community College to better meet the needs of healthcare facilities across eastern North Carolina. This collaborative program is referred to as the Eastern North Carolina Consortium of Computed Tomography and Magnetic Resonance Imaging program. Each semester the curriculum is offered through ECC and taught at one or more of the colleges within the Consortium.

In all health sciences programs, students are assigned clinical rotations with area health care agencies. The student must meet employee health standards and the criminal background and/or drug screening requirements of the agency at the student's expense prior to or at any time after beginning the program.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Work Exp/ Clinical	Credits
I. GENERAL EDUCATION COURSES				
Communications:				
ENG 111* Writing and Inquiry	3	0	0	3
Social/Behavioral Science Elective: (Select one)*	3	0	0	3
(ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 150*, SOC 210*)				

| | | | Work Exp/ | |
Title	Class	Lab	Clinical	Credits
II. MAJOR COURSES				
MRI 213 MRI Patient Care & Safety	2	0	0	2
MRI 214 MRI Procedures I	2	0	0	2
MRI 215 MRI Procedures II	2	0	0	2
MRI 216 MRI Instrumentation	2	0	0	2
MRI 217 MRI Physics I	2	0	0	2
MRI 218 MRI Physics II	2	0	0	2
MRI 241 MRI Anatomy & Pathology I	2	0	0	2
MRI 242 MRI Anatomy & Pathology II	2	0	0	2
MRI 250 MRI Clinical Education I	0	0	12	4
MRI 260 MRI Clinical Education II	0	0	21	7
MRI 270 MRI Clinical Education III	0	0	24	8
MRI 271 MRI Capstone	1	0	0	1

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **42**

Note: Diploma is awarded by Edgecombe Community College

MECHATRONICS ENGINEERING TECHNOLOGY
(A40350)
Associate in Applied Science Degree

This curriculum is designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes.

Course work will prepare students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. The program includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures.

Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
ELC 131	Circuit Analysis I	3	3	0	4
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
ISC 112	Industrial Safety	2	0	0	2
MAT 121	Algebra/Trigonometry I	2	2	0	3
	OR				
MAT 171*	Precalculus Algebra	3	2	0	4
MEC 130	Mechanisms	2	2	0	3
		12/13	**9**	**0**	**16/17**
SPRING SEMESTER (First Year)					
CIS 110**	Introduction to Computers	2	2	0	3
DFT 154	Introduction to Solid Modeling	2	3	0	3
ELC 130	Advanced Motors/Controls	2	2	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
PHY 131	Physics - Mechanics	3	2	0	4
		12	**9**	**0**	**16**
FALL SEMESTER (Second Year)					
ATR 112	Introduction to Automation	2	3	0	3
ELC 213	Instrumentation	3	2	0	4
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
MEC 161	Manufacturing Processes I	3	0	0	3
MEC 161A	Manufacturing Processes I Lab	0	3	0	1
Social/Behavioral Science Elective					3
(ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*,					
POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)		**10**	**11**	**0**	**17**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
ATR 280	Robotic Fundamentals	3	2	0	4
ELN 260	Programmable Logic Controllers	3	3	0	4
MEC 260	Fundamentals of Machine Design	2	3	0	3
Humanities/Fine Arts Elective					3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115*					
HUM 122*, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Major Elective					3
		8	**8**	**0**	**17**

MAJOR ELECTIVE LIST: (Select a minimum of 3 hours)					
ELC 115	Industrial Wiring	2	6	0	4
ELC 133	Circuit Analysis II	3	3	0	4
ELC 215	Electrical Maintenance	2	3	0	3
ELN 131	Analog Electronics I	3	3	0	4
ELN 133	Digital Electronics	3	3	0	4
MAT 122	Algebra/Trigonometry II	2	2	0	3
	OR				
MAT 172*	Precalculus Trigonometry	3	2	0	4
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 123	Work-Based Learning II	0	0	30	3
WBL 131	Work-Based Learning III	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 66-67

Entry Level Mechatronics

(C40350A)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
CIS 110**	Introduction to Computers	2	2	0	3
ELC 131	Circuit Analysis I	3	3	0	4
ISC 112	Industrial Safety	2	0	0	2
MEC 130	Mechanisms	2	2	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 12

Programmable Logic Controllers
(C40350P)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
ATR 112	Introduction to Automation	2	3	0	3
ELC 130	Advanced Motors/Controls	2	2	0	3
ELC 131	Circuit Analysis I	3	3	0	4
ELN 260	Programmable Logic Controllers	3	3	0	4

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 14

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu}

Robotics and Machine Design
(C40350C)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
ATR 280	Robotic Fundamentals	3	2	0	4
DFT 154	Introduction to Solid Modeling	2	3	0	3
ELC 131	Circuit Analysis I	3	3	0	4
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
MEC 130	Mechanisms	2	2	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 17

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu}

MEDICAL ASSISTING

(A45400)

Associate in Applied Science Degree

The Medical Assisting curriculum prepares multi-skilled health care professionals qualified to perform administrative, clinical, and laboratory procedures.

Course work includes instruction in scheduling appointments, coding and processing insurance accounts, billing, collections, computer operations; assisting with examinations/treatments, performing routine laboratory procedures, electrocardiography, supervised medication administration; and ethical/legal issues associated with patient care.

Graduates of CAAHEP-accredited medical assisting programs may be eligible to sit for the American Association of Medical Assistants' Certification Examination to become Certified Medical Assistants. Employment opportunities include physicians' offices, health maintenance organizations, health departments, and hospitals.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
BIO 163***	Basic Anatomy & Physiology	4	2	0	5
MED 110	Orientation to Medical Assisting	1	0	0	1
MED 121	Medical Terminology I	3	0	0	3
MED 130	Administrative Office Procedures I	1	2	0	2
MED 140	Exam Room Procedures I	3	4	0	5
		12	**8**	**0**	**16**
SPRING SEMESTER (First Year)					
ENG 111*	Writing and Inquiry	3	0	0	3
MED 118	Medical Law & Ethics	2	0	0	2
MED 122	Medical Terminology II	3	0	0	3
MED 131	Administrative Office Procedures II	1	2	0	2
MED 150	Lab Procedures I	3	4	0	5
		12	**6**	**0**	**15**
SUMMER SEMESTER (First Year)					
MED 260	MED Clinical Practicum	0	0	15	5
MED 262	Clinical Perspectives	1	0	0	1
MED 264	Medical Assisting Overview	2	0	0	2
PSY 150*	General Psychology	3	0	0	3
		6	**0**	**15**	**11**
FALL SEMESTER (Second Year)					
CIS 110**	Introduction to Computers	2	2	0	3
MAT 110	Math Measurement & Literacy	2	2	0	3
	OR				
MAT 143*	Quantitative Literacy	2	2	0	3
MED 232	Medical Insurance Coding	1	3	0	2
MED 272	Drug Therapy	3	0	0	3
OST 131	Keyboarding	1	2	0	2
		10	**7**	**0**	**10**

Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)				
ENG 112* Writing/Research in the Disc	3	0	0	3
MED 270 Symptomatology	3	2	0	3
OST 136 Word Processing	2	2	0	3
Humanities/Fine Arts Elective	3	0	0	3
(ART 111*, ART 114*, ART 115*, HUM 115**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)	**11**	**4**	**0**	**12**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE:　64

MEDICAL ASSISTING
(D45400)
Diploma

SUGGESTED SEQUENCE OF REQUIRED COURSES:

Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)				
BIO 163*** Basic Anatomy & Physiology	4	2	0	5
MED 110 Orientation to Medical Assisting	1	0	0	1
MED 121 Medical Terminology I	3	0	0	3
MED 130 Administrative Office Procedures I	1	2	0	2
MED 140 Exam Room Procedures I	3	4	0	5
	12	**8**	**0**	**16**
SPRING SEMESTER (First Year)				
ENG 111* Writing and Inquiry	3	0	0	3
MED 118 Medical Law & Ethics	2	0	0	2
MED 122 Medical Terminology II	3	0	0	3
MED 131 Administrative Office Procedures II	1	2	0	2
MED 150 Lab Procedures I	3	4	0	5
	12	**6**	**0**	**15**
SUMMER SEMESTER (First Year)				
MED 260 MED Clinical Practicum	0	0	15	5
MED 262 Clinical Perspectives	1	0	0	1
MED 264 Medical Assisting Overview	2	0	0	2
PSY 150* General Psychology	3	0	0	3
	6	**0**	**15**	**11**

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA:　42

MEDICAL OFFICE ADMINISTRATION
General

(A25310)

Associate in Applied Science Degree

This curriculum prepares individuals for employment in medical and other health-care related offices.

Course work 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 administrative 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 health-care related organizations.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CIS 110**	Introduction to Computers	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
OST 131	Keyboarding	1	2	0	2
OST 141	Med Office Terms I	3	0	0	3
OST 142	Med Office Terms II	3	0	0	3
		12	**6**	**0**	**15**
SPRING SEMESTER (First Year)					
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
OST 134	Text Entry & Formatting	2	2	0	3
OST 136	Word Processing	2	2	0	3
OST 148	Medical Ins & Billing	3	0	0	3
OST 164	Office Editing	3	0	0	3
		13	**4**	**0**	**15**
SUMMER SEMESTER (First Year)					
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
HUM 122**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Mathematics Elective					3-4
(MAT 110*, MAT 143*, MAT 152*)		**3**	**0**	**0**	**6-7**
FALL SEMESTER (Second Year)					
OST 138	Office Applications II	2	2	0	3
OST 149	Medical Legal Issues	3	0	0	3
OST 165	Adv Office Editing	2	2	0	3
OST 181	Office Procedures	2	2	0	3
Major Elective					2
		9	**6**	**0**	**14**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
OST 145	Social Media for Office Prof	2	2	0	3
OST 159	Office Ethics	3	0	0	3
OST 263	Healthcare Customer Relations	3	0	0	3
OST 280	Electronic Health Records	2	2	0	3
Social/Behavioral Science Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*,					
HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**,					
SOC 220**)					
		13	**4**	**0**	**15**
MAJOR ELECTIVE LIST (Select a minimum of 2 hours)					
OST 140	Internet Comm/Research	1	2	0	2
OST 161	Medical Office Procedures	2	2	0	3
OST 236	Adv Word Processing	2	2	0	3
OST 247	Procedure Coding	2	2	0	3
OST 248	Diagnostic Coding	2	2	0	3
OST 289	Office Admin Capstone	2	2	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 65-66

MEDICAL OFFICE ADMINISTRATION
Medical Coding Specialist
(A25310)
Associate in Applied Science Degree

This curriculum prepares individuals for employment in medical and other health-care related offices.

Course work 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 administrative 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 health-care related organizations.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CIS 110**	Introduction to Computers	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
OST 131	Keyboarding	1	2	0	2
OST 141	Medical Office Terms I	3	0	0	3
OST 142	Medical Office Terms II	3	0	0	3
		12	**6**	**0**	**15**
SPRING SEMESTER (First Year)					
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
OST 136	Word Processing	2	2	0	3
OST 148	Medical Ins & Billing	3	0	0	3
OST 164	Office Editing	3	0	0	3
OST 248	Diagnostic Coding	2	2	0	3
		13	**4**	**0**	**15**
SUMMER SEMESTER (First Year)					
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, HUM 122**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Mathematics Elective					3/4
(MAT 110*, MAT 143*, MAT 152*)		**3**	**0**	**0**	**6/7**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
OST 138	Office Applications II	2	2	0	3
OST 149	Medical Legal Issues	3	0	0	3
OST 181	Office Procedures	2	2	0	3
OST 247	Procedure Coding	2	2	0	3
Major Elective					2
		9	**6**	**0**	**14**
SPRING SEMESTER (Second Year)					
OST 249	Med Coding Certification Prep	2	3	0	3
OST 260	Adv Coding Methodologies	2	2	0	3
OST 263	Healthcare Customer Relations	3	0	0	3
OST 280	Electronic Health Records	2	2	0	3
Social/Behavioral Science Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)		**12**	**7**	**0**	**15**
MAJOR ELECTIVE LIST (Select a minimum of 2 hours)					
OST 140	Internet Comm/Research	1	2	0	2
OST 161	Medical Office Procedures	2	2	0	3
OST 165	Adv Office Editing	2	2	0	3
OST 250	Long-Term Care Coding	1	2	0	2
OST 289	Office Admin Capstone	2	2	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 65-66

MEDICAL CODING SPECIALIST
(C25310P)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
OST 141	Med Office Terms I	3	0	0	3
OST 142	Med Office Terms II	3	0	0	3
OST 148	Medical Ins & Billing	3	0	0	3
OST 247	Procedure Coding	2	2	0	3
OST 248	Diagnostic Coding	2	2	0	3
OST 249	Med Coding Certification Prep	3	2	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: 18

MEDICAL ADMINISTRATIVE ASSISTANT I
(C25310A)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
CIS 110**	Introduction to Computers	2	2	0	3
OST 131	Keyboarding	1	2	0	2
OST 141	Med Office Terms I	3	0	0	3
OST 142	Med Office Terms II	3	0	0	3
OST 148	Medical Ins & Billing	3	0	0	3
OST 181	Office Procedures	2	2	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **17**

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu}

MEDICAL ADMINISTRATIVE ASSISTANT II
(C25310T)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
OST 136	Word Processing	2	2	0	3
OST 149	Medical Legal Issues	3	0	0	3
OST 159	Office Ethics	3	0	0	3
OST 263	Healthcare Customer Relations	3	0	0	3
OST 280	Electronic Health Records	2	2	0	3
Major Elective					3
MAJOR ELECTIVE LIST (Select a minimum of 3 hours)					
OST 145	Social Media for Office Prof	2	2	0	3
OST 161	Medical Office Procedures	2	2	0	3
OST 164	Office Editing	3	0	0	3
OST 247	Procedure Coding	2	2	0	3
OST 248	Diagnostic Coding	2	2	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **18**

OFFICE ADMINISTRATION

(A25370)

Associate in Applied Science Degree

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.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CIS 110**	Introduction to Computers	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
OST 131	Keyboarding	1	2	0	2
OST 140	Internet Comm/Research	1	2	0	2
OST 181	Office Procedures	2	2	0	3
		9	**10**	**0**	**14**
SPRING SEMESTER (First Year)					
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
OST 134	Text Entry & Formatting	2	2	0	3
OST 136	Word Processing	2	2	0	3
OST 159	Office Ethics	3	0	0	3
OST 164	Office Editing	3	0	0	3
		13	**4**	**0**	**15**
SUMMER SEMESTER (First Year)					
Mathematics Elective					3/4
(MAT 110, MAT 143*, MAT 152*)					
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
HUM 122**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
		3	**0**	**0**	**6/7**
FALL SEMESTER (Second Year)					
OST 135	Adv Text Entry & Format	2	2	0	3
OST 138	Office Applications II	2	2	0	3
OST 153	Office Finance Solutions	2	2	0	3
OST 165	Adv Office Editing	2	2	0	3
OST 236	Adv Word Processing	2	2	0	3
		10	**10**	**0**	**15**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
OST 145	Social Media for Office Prof	2	2	0	3
OST 184	Records Management	2	2	0	3
OST 289	Office Admin Capstone	2	2	0	3
Social/Behavioral Science Elective		3	0	0	3
(ECO 151**, ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*,					
POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)					
Major Elective					2
		9	**6**	**0**	**14**
MAJOR ELECTIVE LIST: (Select a minimum of 2 hours)					
BUS 110***	Introduction to Business	3	0	0	3
BUS 270	Professional Development	3	0	0	3
CIS 162	MM Presentation Software	2	2	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: **64-65**

OFFICE ADMINISTRATION

(D25370)
Diploma

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
CIS 110**	Introduction to Computers	2	2	0	3
OST 131	Keyboarding	1	2	0	2
OST 136	Word Processing	2	2	0	3
OST 181	Office Procedures	2	2	0	3
Major Elective					3
		7	**10**	**0**	**15**
SPRING SEMESTER (First Year)					
OST 134	Text Entry & Formatting	2	2	0	3
OST 145	Social Media for Office Prof	2	2	0	3
OST 159	Office Ethics	3	0	0	3
OST 164	Office Editing	3	0	0	3
OST 184	Records Management	2	2	0	3
		12	**6**	**0**	**15**
SUMMER SEMESTER (First Year)					
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
General Education Elective					3
(HUM 115**, HUM 122**, PSY 118, PSY 150*,					
SOC 210*, SOC 213**, SOC 220**)					
		3	**0**	**0**	**6**
MAJOR ELECTIVE LIST: (Select a minimum of 3 hours)					
BUS 110***	Introduction to Business	3	0	0	3
BUS 270	Professional Development	3	0	0	3
CIS 162	MM Presentation Software	2	2	0	3
OST 153	Office Finance Solutions	2	2	0	3

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **36**

ADMINISTRATIVE ASSISTANT

(C25370C)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
CIS 110**	Introduction to Computers	2	2	0	3
OST 131	Keyboarding	1	2	0	2
OST 136	Word Processing	2	2	0	3
OST 159	Office Ethics	3	0	0	3
OST 164	Office Editing	3	0	0	3
OST 181	Office Procedures	2	2	0	3

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **17**

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

PARALEGAL TECHNOLOGY

(A25380)

Associate in Applied Science Degree

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.

Course work 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.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
LEX 110	Introduction to Paralegal Study	2	0	0	2
LEX 130	Civil Injuries	3	0	0	3
LEX 140	Civil Litigation I	3	0	0	3
LEX 160	Criminal Law & Procedure	2	2	0	3
		13	**4**	**0**	**15**
SPRING SEMESTER (First Year)					
ENG 112*	Writing & Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
LEX 120	Legal Research/Writing I	2	2	0	3
LEX 150	Commercial Law	2	2	0	3
LEX 240	Family Law	3	0	0	3
Mathematics Elective					3/4
(MAT 110, MAT 143*, MAT 152*)					
		10	**4**	**0**	**15/16**
SUMMER SEMESTER (First Year)					
Social/Behavioral Science Elective		3	0	0	3
(ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*, SOC 213**, SOC 220**)					
Major Elective					1
		3	**0**	**0**	**4**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
CJC 111***	Introduction to Criminal Justice	3	0	0	3
LEX 260	Bankruptcy and Collections	3	0	0	3
LEX 270	Law Office Mgt/Technology	1	2	0	2
LEX 287	CLA Review Seminar	2	0	0	2
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
HUM 122**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
Major Elective					3
		12	**2**	**0**	**16**
SPRING SEMESTER (Second Year)					
BUS 270	Professional Development	3	0	0	3
CIS 110**	Introduction to Computers	2	2	0	3
LEX 210	Real Property I	3	0	0	3
LEX 250	Wills, Estates, and Trusts	2	2	0	3
LEX 271	Law Office Writing	1	2	0	2
LEX 280	Ethics & Professionalism	2	0	0	2
		13	**6**	**0**	**16**
MAJOR ELECTIVES (Select a minimum of 13 hours)					
CJC 112	Criminology	3	0	0	3
CJC 214	Victimology	3	0	0	3
CJC 231	Constitutional Law	3	0	0	3
SPA 111**	Elementary Spanish I	3	0	0	3
WBL 111	Work-Based Learning	0	0	10	1
WBL 112	Work-Based Learning	0	0	20	2
WBL 113	Work-Based Learning	0	0	30	3

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 66-67

PARALEGAL TECHNOLOGY
(D25380)
Diploma

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.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trust, and commercial law. Required courses also include subjects such as English, mathematics and computerized 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.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
LEX 110	Introduction to Paralegal Study	2	0	0	2
LEX 130	Civil Injuries	3	0	0	3
LEX 140	Civil Litigation I	3	0	0	3
LEX 160	Criminal Law & Procedure	2	2	0	3
LEX 287	CLA Review Seminar	2	0	0	2
		15	**2**	**0**	**16**
SPRING SEMESTER (First Year)					
ENG 112*	Writing & Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
LEX 120	Legal Research/Writing I	2	2	0	3
LEX 150	Commercial Law	2	2	0	3
LEX 210	Real Property I	3	0	0	3
LEX 240	Family Law	3	0	0	3
LEX 280	Ethics & Professionalism	2	0	0	2
		15	**4**	**0**	**17**
SUMMER SEMESTER (First Year)					
LEX 260	Bankruptcy and Collections	3	0	0	3
[Students not in CCP may select a Major Elective					**3**
from the list below.]					

	Title	Class	Lab	Work Exp/ Clinical	Credits
MAJOR ELECTIVES (Select a minimum of 3 hours)					
CJC 112	Criminology	3	0	0	3
CJC 214	Victimology	3	0	0	3
CJC 231	Constitutional Law	3	0	0	3
SPA 111***	Elementary Spanish I	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **36**

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

PARALEGAL TECHNOLOGY

(C25380C)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
LEX 110	Introduction to Paralegal Study	2	0	0	2
LEX 140	Civil Litigation I	3	0	0	3
		5	**0**	**0**	**5**
SPRING SEMESTER (First Year)					
LEX 150	Commercial Law	2	2	0	3
LEX 210	Real Property I	3	0	0	3
LEX 240	Family Law	3	0	0	3
		8	**2**	**0**	**9**

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE: **14**

[**Note:** This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

PHARMACY TECHNOLOGY

(A45580)

Associate in Applied Science Degree

The Pharmacy Technology Program prepares individuals to assist the pharmacist in duties that a technician can legally perform and to function within the boundaries prescribed by the pharmacist and the employment agency.

Students will prepare prescription medications, mix intravenous solutions and other specialized medications, update patient profiles, maintain inventories, package medications in unit-dose or med-card form, and gather data used by pharmacists to monitor drug therapy.

Employment opportunities include retail, hospitals, nursing homes, research laboratories, wholesale drug companies, and pharmaceutical manufacturing facilities. Graduates from the program may be eligible to take the National Certification Examination to become a certified pharmacy technician.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
BIO 110*	Principles of Biology	3	3	0	4
PHM 110	Introduction to Pharmacy	3	0	0	3
PHM 111	Pharmacy Practice I	3	3	0	4
PHM 115	Pharmacy Calculations	3	0	0	3
PHM 115A	Pharmacy Calculations Lab	0	2	0	1
		12	**8**	**0**	**15**
SPRING SEMESTER (First Year)					
ENG 111*	Writing and Inquiry	3	0	0	3
PHM 120	Pharmacology I	3	0	0	3
PHM 112	Pharmacy Practice II	0	0	0	4
	OR				
PHM 134	Pharmacy Clinical	0	0	12	4
	OR				
Combination of Clinical and up to 4 credit hours of WBL					4
PHM 155	Community Pharmacy	2	2	0	3
		8	**2**	**12**	**13**
SUMMER SEMESTER (First Year)					
PHM 132	Pharmacy Clinical	0	0	6	2
	OR				
Up to 2 credit hours of WBL					2
PHM 140	Trends in Pharmacy	2	0	0	2
PHM 165	Pharmacy Professional Practice	2	0	0	2
Social/Behavioral Science Elective		3	0	0	3
(PSY 150* or SOC 210*)		**7**	**0**	**6**	**9**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
COM 231*	Public Speaking	3	0	0	3
	OR				
ENG 112*	Writing/Research in the Disc	3	0	0	3
PHM 136	Pharmacy Clinical	0	0	18	6
	OR				
Combination of Clinical and up to 4 credit hours of WBL					6
PHM 150	Hospital Pharmacy	3	3	0	4
Humanities/Fine Arts Elective		3	0	0	3
(ART 111**, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
MUS 110*, MUS 112*, PHI 215*, PHI 240*)		**9**	**3**	**18**	**16**
SPRING SEMESTER (Second Year)					
PHM 118	Sterile Products	3	3	0	4
PHM 125	Pharmacology II	3	0	0	3
PHM 133	Pharmacy Clinical	0	0	9	3
	OR				
Humanities/Fine Arts Elective		3	0	0	3
(ART 111**, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
PHM 160	Pharmacy Dosage Forms	3	0	0	3
		9/12	**3**	**9**	**13**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 66

[**Note**: Approval by the Program Head is required for PHM 136 and PHM 133/ PHM 135.]

PHARMACY TECHNOLOGY

(D45580)
Diploma

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
BIO 110*	Principles of Biology	3	3	0	4
PHM 110	Introduction to Pharmacy	3	0	0	3
PHM 111	Pharmacy Practice I	3	3	0	4
PHM 115	Pharmacy Calculations	3	0	0	3
PHM 115A	Pharmacy Calculations Lab	0	2	0	1
		12	**8**	**0**	**15**
SPRING SEMESTER (First Year)					
ENG 111*	Writing and Inquiry	3	0	0	3
PHM 120	Pharmacology I	3	0	0	3
PHM 112	Pharmacy Practice II	0	0	0	4
	OR				
PHM 134	Pharmacy Clinical	0	0	12	4
	OR				
Combination of Clinical and up to 4 credit hours of WBL					4
PHM 155	Community Pharmacy	2	2	0	3
		6	**0**	**12**	**13**
SUMMER SEMESTER (First Year)					
PHM 132	Pharmacy Clinical	0	0	6	2
	OR				
WBL up to 2 credit hours					2
PHM 140	Trends in Pharmacy	2	0	0	2
PHM 165	Pharmacy Professional Practice	2	0	0	2
Social/Behavioral Science Elective		3	0	0	3
(PSY 150* or SOC 210*)		**7**	**0**	**6**	**9**

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **37**

Pharmacy Technology

(C45580C)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
PHM 110	Introduction to Pharmacy	3	0	0	3
PHM 111	Pharmacy Practice I	3	3	0	4
PHM 115	Pharmacy Calculations	3	0	0	3
PHM 115A	Pharmacy Calculations Lab	0	2	0	1
PHM 140	Trends in Pharmacy	2	0	0	2

TOTAL SEMESTER HOURS NEEDED FOR CERTIFICATE: **13**

PRACTICAL NURSING

(D45660)
Diploma

The Practical Nursing curriculum prepares individuals with the knowledge and skills to provide nursing care to meet the health care needs of the individual throughout their lifespan.

The role of the LPN is a dependent role under the supervision of the registered nurse (RN) and other healthcare providers approved by North Carolina law.

In accordance with the North Carolina Board of Nursing Administrative Code, 21NCAC 36.0225, Components of Nursing Practice for the Licensed Practical Nurse (LPN), the LPN accepts assignments that can be safely performed and participates in assessing, planning, implementing, and evaluating the client's response to healthcare interventions.

Graduates are eligible to apply to take the National Council Licensure Examination (NCLEX-PN) which is required for practice as a Licensed Practical Nurse. Employment opportunities include hospitals, rehabilitation/long term care/home health facilities, clinics, and physicians' offices.

Mission Statement: The nursing faculty of Vance-Granville Community College, in support of the philosophy, purpose and objectives of the College, believes that it is the purpose of the Practical Nursing program to produce advanced beginning practitioners (Benner, 2001, p. 22) for entry level practice in the practical nurse role.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FIRST SEMESTER (Fall)					
BIO 163***	Basic Anatomy & Physiology	4	2	0	5
NUR 101	Practical Nursing I	7	6	6	11
		11	**8**	**6**	**16**
SECOND SEMESTER (Spring)					
ENG 111*	Writing and Inquiry	3	0	0	3
NUR 102	Practical Nursing II	7	0	9	10
PSY 150*	General Psychology	3	0	0	3
		13	**0**	**9**	**16**
THIRD SEMESTER (Summer)					
NUR 103	Practical Nursing III	**6**	**0**	**9**	**9**

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: 41

[**Notes**: Students must complete all courses listed in each semester together unless related courses have been previously completed with a "C" or better. Nursing courses are only offered in the semester listed. Course substituion forms will need to be completed for BIO 168 and BIO 169 in lieu of BIO 163. PSY 110 may be accepted in place of PSY 150.]

RADIOGRAPHY

(A45700)

Associate in Applied Science Degree

The Radiography curriculum prepares the graduate to be a radiographer, a skilled health care professional who uses radiation to produce images of the human body.

Course work includes clinical rotations to area health care facilities, radiographic exposure, image processing, radiographic procedures, physics, pathology, patient care and management, radiation protection, quality assurance, anatomy and physiology, and radiobiology.

Graduates of accredited programs are eligible to apply to take the American Registry of Radiologic Technologists' national examination for certification and registration as medical radiographers. Graduates may be employed in hospitals, clinics, physicians' offices, medical laboratories, government agencies, and industry.

Mission Statement: The mission of the Vance-Granville Community College Radiography Program is to provide our students with a comprehensive education in radiography by which to prepare them to enter the radiographic profession as a competent entry-level radiographer.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
BIO 163***	Basic Anatomy & Physiology	4	2	0	5
MAT 110	Math Measurement & Literacy	2	2	0	3
	OR				
MAT 143*	Quantitative Literacy	2	2	0	3
RAD 110	Radiography Introduction & Patient Care	2	3	0	3
RAD 111	Radiographic Procedures I	3	3	0	4
RAD 151	RAD Clinical Education I	0	0	6	2
		11	**10**	**6**	**17**
SPRING SEMESTER (First Year)					
ENG 111*	Writing and Inquiry	3	0	0	3
RAD 112	Radiographic Procedures II	3	3	0	4
RAD 121	Image Production I	2	3	0	3
RAD 161	RAD Clinical Education II	0	0	15	5
		8	**6**	**15**	**15**
SUMMER SEMESTER (First Year)					
CIS 110**	Introduction to Computers	2	2	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
RAD 122	Image Production II	1	3	0	2
RAD 141	Radiation Safety	2	0	0	2
RAD 171	RAD Clinical Education III	0	0	9	3
		8	**5**	**9**	**13**

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (Second Year)					
PSY 150*	General Psychology	3	0	0	3
RAD 113	RAD Lab Elective	0	3	0	1
RAD 211	Radiographic Procedures III	2	3	0	3
RAD 231	Image Production III	1	3	0	2
RAD 251	RAD Clinical Education IV	0	0	21	7
		6	**9**	**21**	**16**
SPRING SEMESTER (Second Year)					
RAD 261	RAD Clinical Education V	0	0	21	7
RAD 271	Radiography Capstone	2	3	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111**, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115** MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
		5	**3**	**21**	**13**

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. DEGREE: 74

SUPPLY CHAIN MANAGEMENT

(A25620)

Associate in Applied Science Degree

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

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

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

Note: The Supply Chain Management program was formerly known as Global Logistics and Distribution Management Technology. Students still coded under Global Logistics should refer to their catalog of record.

SUPPLY CHAIN MANAGEMENT
GLOBAL LOGISTICS TECHNOLOGY TRACK

(A25620G)

Associate in Applied Science Degree

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
BUS 110***	Intro to Business	3	0	0	3
BUS 115***	Business Law I	3	0	0	3
CIS 110**	Introduction to Computers	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
LOG 110	Introduction to Logistics	3	0	0	3
		14	**4**	**0**	**16**
	SPRING SEMESTER (First Year)				
BUS 137***	Principles of Management	3	0	0	3
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
LOG 215	Supply Chain Management	3	0	0	3
Mathematics Elective					3/4
(MAT 110, MAT 143*, MAT 152*)					
Major Elective					3
		9	**0**	**0**	**15/16**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SUMMER SEMESTER (First Year)					
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
MUS 110*, MUS 112*, PHI 215*, PHI 240*)		**3**	**0**	**0**	**3**
FALL SEMESTER (Second Year)					
ACC 120***	Prin of Financial Acct	3	2	0	4
LOG 125	Transportation Logistics	3	0	0	3
LOG 211	Distribution Management	2	2	0	3
LOG 225	Logistics Systems	3	2	0	4
LOG 235	Import/Export Management	3	0	0	3
		14	**6**	**0**	**17**
SPRING SEMESTER (Second Year)					
ECO 151**	Survey of Economics	3	0	0	3
LOG 240	Purchasing Logistics	3	0	0	3
LOG 250	Advanced Global Logistics	3	2	0	4
Social/Behavioral Science Elective		3	0	0	3
(HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118,					
PSY 150, SOC 210*)					
Major Elective					3
		12	**2**	**0**	**16**
MAJOR ELECTIVE LIST: (Select a minimum of 6 hours)					
ACC 121***	Prin of Managerial Acct	3	2	0	4
BUS 225	Business Finance	2	2	0	3
BUS 260	Business Communication	3	0	0	3
CTS 130	Spreadsheet	2	2	0	3
LOG 245	Logistics Security	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 131	Work-Based Learning III	0	0	10	1
WBL 132	Work-Based Learning III	0	0	20	2

TOTAL SEMESTER HOURS REQUIRED FOR DEGREE: **67-68**

SUPPLY CHAIN MANAGEMENT
TRUCKING OPERATIONS MANAGEMENT TRACK
(A25620T)
Associate in Applied Science Degree

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
BUS 115***	Business Law I	3	0	0	3
CIS 110**	Introduction to Computers	2	2	0	3
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
LOG 110	Introduction to Logistics	3	0	0	3
Mathematics Elective					3/4
MAT 110, MAT 143*, MAT 152*)					
		11	4	0	16/17
SPRING SEMESTER (First Year)					
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
LOG 215	Supply Chain Management	3	0	0	3
TOM 120	Introduction to Trucking	3	0	0	3
Social/Behavioral Science Elective		3	0	0	3
(HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150, SOC 210*)					
Major Elective					3
		12	0	0	15
SUMMER SEMESTER (First Year)					
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**, MUS 110*, MUS 112*, PHI 215*, PHI 240*)					
		3	0	0	3
FALL SEMESTER (Second Year)					
ACC 120***	Prin of Financial Acct	3	2	0	4
LOG 125	Transportation Logistics	3	0	0	3
LOG 211	Distribution Management	2	2	0	3
TOM 130	Fleet Management	3	0	0	3
TOM 250	Operations of Trucking I	3	0	0	3
		14	4	0	16
SPRING SEMESTER (Second Year)					
BUS 153	Human Resource Management	3	0	0	3
ECO 151**	Survey of Economics	3	0	0	3
LOG 240	Purchasing Logistics	3	0	0	3
TOM 260	Operations of Trucking II	3	0	0	3
Major Elective					3
		12	2	0	15

	Title	Class	Lab	Work Exp/ Clinical	Credits
MAJOR ELECTIVE LIST: (Select a minimum of 6 hours)					
ACC 121***	Prin of Managerial Acct	3	2	0	4
BUS 225	Business Finance	2	2	0	3
BUS 260	Business Communication	3	0	0	3
CTS 130	Spreadsheet	2	2	0	3
LOG 245	Logistics Security	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 113	Work-Based Learning I	0	0	30	3
WBL 121	Work-Based Learning II	0	0	10	1
WBL 122	Work-Based Learning II	0	0	20	2
WBL 131	Work-Based Learning III	0	0	10	1
WBL 132	Work-Based Learning III	0	0	20	2

TOTAL SEMESTER HOURS REQUIRED FOR DEGREE: **65-66**

GLOBAL SUPPLY CHAIN

(C25620G)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
LOG 110	Introduction to Logistics	3	0	0	3
LOG 125	Transportation Logistics	3	0	0	3
LOG 215	Supply Chain Management	3	0	0	3
LOG 240	Purchasing Logistics	3	0	0	3

TOTAL SEMESTER HOURS NEEDED FOR CERTIFICATE: **12**

TRANSPORTATION LOGISTICS

(C25620T)

Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
LOG 110	Introduction to Logistics	3	0	0	3
LOG 125	Transportation Logistics	3	0	0	3
TOM 120	Introduction to Trucking	3	0	0	3
TOM 250	Operations of Trucking I	3	0	0	3

TOTAL SEMESTER HOURS NEEDED FOR CERTIFICATE: **12**

WELDING TECHNOLOGY

(A50420)
Associate in Applied Science Degree

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
ACA 115	Success & Study Skills	0	2	0	1
BPR 111	Print Reading	1	2	0	2
ENG 110	Freshman Composition	3	0	0	3
	OR				
ENG 111*	Writing and Inquiry	3	0	0	3
WLD 110	Cutting Processes	1	3	0	2
WLD 115	SMAW (Stick) Plate	2	9	0	5
WLD 141	Symbols and Specifications	2	2	0	3
WLD 212	Inert Gas Welding	1	3	0	2
		10	**21**	**0**	**18**
SPRING SEMESTER (First Year)					
WLD 116	SMAW (Stick) Plate/Pipe	1	9	0	4
WLD 121	GMAW (Mig) FCAW/Plate	2	6	0	4
WLD 131	GTAW (Tig) Plate	2	6	0	4
Mathematics Elective					3/4
(MAT 110, MAT 143*, MAT 152*)					
		5	**21**	**0**	**15/16**
SUMMER SEMESTER (First Year)					
Social/Behavioral Science Elective		3	0	0	3
(ECO 251*, ECO 252*, HIS 111*, HIS 112*, HIS 131*, HIS 132*, POL 120*, PSY 118, PSY 150*, SOC 210*)					
FALL SEMESTER (Second Year)					
ENG 112*	Writing/Research in the Disc	3	0	0	3
	OR				
ENG 116	Technical Report Writing	3	0	0	3
WLD 113	Soldering and Brazing	1	2	0	2
WLD 117	Industrial SMAW	1	4	0	3
WLD 151	Fabrication I	2	6	0	4
WLD 261	Certification Practices	1	3	0	2
Major Elective					2
		8	**15**	**0**	**16**

	Title	Class	Lab	Work Exp/ Clinical	Credits
SPRING SEMESTER (Second Year)					
CIS 110	Introduction to Computers	2	2	0	3
WLD 122	GMAW (MIG) Plate/Pipe	1	6	0	3
WLD 251	Fabrication II	1	6	0	3
WLD 262	Inspection and Testing	2	2	0	3
Humanities/Fine Arts Elective		3	0	0	3
(ART 111*, ART 114*, ART 115*, ENG 231*, ENG 232*, HUM 115**,					
MUS 110*, MUS 112*, PHI 215*, PHI 240*)		**9**	**16**	**0**	**15**

MAJOR ELECTIVE LIST: (Select a minimum of 2 hours)

	Title	Class	Lab	Work Exp/ Clinical	Credits
BUS 110***	Intro to Business	3	0	0	3
BUS 137***	Principles of Management	3	0	0	3
ISC 112	Industrial Safety	2	0	0	2
WBL 111	Work-Based Learning I	0	0	10	1
WBL 112	Work-Based Learning I	0	0	20	2
WBL 121	Work-Based Learning II	0	0	10	1

TOTAL SEMESTER HOURS REQUIRED FOR A.A.S. Degree: **67-68**

WELDING TECHNOLOGY

(D50420)
Diploma

SUGGESTED SEQUENCE OF REQUIRED COURSES:

	Title	Class	Lab	Work Exp/ Clinical	Credits
FALL SEMESTER (First Year)					
BPR 111	Print Reading	1	2	0	2
ENG 110	Freshman Composition	3	0	0	3
WLD 110	Cutting Processes	1	3	0	2
WLD 115	SMAW (Stick) Plate	2	9	0	5
WLD 141	Symbols and Specifications	2	2	0	3
WLD 212	Inert Gas Welding	1	3	0	2
		10	**19**	**0**	**17**
SPRING SEMESTER (First Year)					
MAT 110	Math Measurement & Literacy	2	2	0	3
WLD 116	SMAW (Stick) Plate/Pipe	1	9	0	4
WLD 121	GMAW (Mig) FCAW/Plate	2	6	0	4
WLD 131	GTAW (Tig) Plate	2	6	0	4
		7	**23**	**0**	**15**
FALL SEMESTER (Second Year)					
WLD 151	Fabrication I	2	6	0	4
WLD 261	Certification Practices	1	3	0	2
		3	**9**	**0**	**6**

TOTAL SEMESTER HOURS REQUIRED FOR DIPLOMA: **38**

[Note: This program is also offered as a Career and College Promise (CCP) Pathway for eligible high school students. For more information, please review the most current CCP Pathway Guide on the Vance-Granville website at www.vgcc.edu]

BASIC WELDING
(C50420B)
Certificate

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Work Exp/ Clinical	Credits
BPR 111	Print Reading	1	2	0	2
WLD 110	Cutting Processes	1	3	0	2
WLD 115	SMAW (Stick) Plate	2	9	0	5
WLD 141	Symbols and Specifications	2	2	0	3
WLD 212	Inert Gas Welding	1	3	0	2

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE:　　14

WELDING CERTIFICATION PRACTICES
(C50420W)
Certificate

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Work Exp/ Clinical	Credits
WLD 115	SMAW (Stick) Plate	2	9	0	5
WLD 121	GMAW (Mig) FCAW/Plate	2	6	0	4
WLD 131	GTAW (Tig) Plate	2	6	0	4
WLD 141	Symbols and Specifications	2	2	0	3
WLD 261	Certification Practices	1	3	0	2

TOTAL SEMESTER HOURS REQUIRED FOR CERTIFICATE:　　18