

**Arts and Sciences (College Transfer)****Associate in Arts (AA)****Credential: Associate in Arts Degree  
A10100**

The Associate in Arts degree allows students to earn a minimum of 60 semester hours of credit (SHC) of college transfer courses and offers opportunities for the achievement of competence in reading, writing, oral communication, fundamental and mathematical skills.

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 programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Graduates must obtain a grade of “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.

Program Length: 4 semesters

Career Pathway Options: Associate in Arts Degree,  
Baccalaureate Degree at a Senior Institution

Program Sites:

Lee Campus – Day, 1st and 2nd Year, Evening, 1st and 2nd Year

Chatham Campus – Day, 1st and 2nd Year, Evening, 1st and 2nd Year

Harnett Campus – Day, 1st and 2nd Year, Evening,  
Selected Courses

Distance Education - 1st and 2nd Year - All Campuses

**Course Requirements for Associate in Arts Degree****I. Universal General Education Transfer Component  
(UGETC) 31-32 SHC**

<b>A. English Composition (6 SHC)</b>		<b>C-L-CR</b>
ENG 111	Writing and Inquiry	3-0-3
ENG 112	Writing and Research in the Disciplines	3-0-3

**B. Humanities/Fine Arts/Communication (9 SHC)**

Select courses from at least two of the following discipline areas: art, communications, music, literature, and philosophy. At least one course must be a literature course.

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 231	Public Speaking	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
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**C. Social and Behavioral Sciences (9 SHC)**

Select courses from two of the following discipline areas: economics, history, political science, psychology, and sociology. At least one course must be a history course.

ECO 251	Principles of Microeconomics	3-0-3
ECO 252	Principles of Macroeconomics	3-0-3
HIS 111	World Civilizations I	3-0-3
HIS 112	World Civilizations 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 SHC)**

Select one course, including accompanying/integrated laboratory work, from among the biological and physical science disciplines.

AST 111	Descriptive Astronomy	3-0-3
AST 111A	Descriptive Astronomy Lab	0-2-1
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	Introductory Geology	3-2-4
PHY 110	Conceptual Physics	3-0-3
PHY 110A	Conceptual Physics Lab	0-2-1

**E. Mathematics (3-4 SHC)**

Select one course in introductory mathematics.

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 (14 SHC)**

Select additional courses from UGETC courses listed above or from the courses classified as General Education courses in the NCCCS Combined Course Library. Students are advised to select courses based on intended major and senior institution.

ANT 210	General Anthropology	3-0-3
BIO 120	Introductory Botany	3-3-4
BIO 130	Introductory Zoology	3-3-4
BIO 140	Environmental Biology	3-0-3
BIO 140A	Environmental Biology Lab	0-3-1
CHI 111	Elementary Chinese I	3-0-3
CHI 112	Elementary Chinese II	3-0-3
CHI 211	Intermediate Chinese I	3-0-3
CHI 212	Intermediate Chinese II	3-0-3
CHM 131	Introduction to Chemistry	3-0-3
CHM 131A	Introduction to Chemistry Lab	0-3-1
CHM 132	Organic and Biochemistry	3-3-4
CHM 152	General Chemistry II	3-3-4
CIS 110	Introduction to Computers	2-2-3
CIS 115	Introduction to Programming and Logic	2-2-3
COM 110	Introduction to Communication	3-0-3
COM 120	Interpersonal Communication	3-0-3

COM 140	Intro to Intercultural Communication	3-0-3	semesters or more	of a foreign language was not taken in high school.	
DRA 111	Theatre Appreciation	3-0-3			
ECO 151	Survey of Economics	3-0-3			
ENG 113	Literature-Based Research	3-0-3	ACA 122	College Transfer Success	1-0-1
ENG 114	Prof Research and Reporting	3-0-3	ACC 120	Principles of Financial Accounting	3-2-4
ENG 233	Major American Writers	3-0-3	ACC 121	Principles of Managerial Accounting	3-2-4
ENG 243	Major British Writers	3-0-3	ART 121	Design I	0-6-3
ENG 261	World Literature I	3-0-3	ART 122	Design II	0-6-3
ENG 262	World Literature II	3-0-3	ART 131	Drawing I	0-6-3
GEL 230	Environmental Geology	3-2-4	ART 132	Drawing II	0-6-3
HIS 121	Western Civilization I	3-0-3	ART 214	Portfolio and Resume	0-2-1
HIS 122	Western Civilization II	3-0-3	ART 231	Printmaking I	0-6-3
HUM 110	Technology and Society	3-0-3	ART 232	Printmaking II	0-6-3
HUM 115	Critical Thinking	3-0-3	ART 240	Painting I	0-6-3
HUM 120	Cultural Studies	3-0-3	ART 241	Painting II	0-6-3
HUM 122	Southern Culture	3-0-3	ART 281	Sculpture I	0-6-3
HUM 150	American Women's Studies	3-0-3	ART 282	Sculpture II	0-6-3
HUM 160	Introduction to Film	2-2-3	ART 283	Ceramics I	0-6-3
HUM 211	Humanities I	3-0-3	ART 284	Ceramics II	0-6-3
HUM 220	Human Values and Meaning	3-0-3	BIO 143	Field Biology Minicourse	1-2-2
MAT 172	Precalculus Trigonometry	3-0-3	BIO 150	Genetics in Human Affairs	3-0-3
MAT 263	Brief Calculus	3-0-3	BIO 155	Nutrition	3-0-3
MAT 271	Calculus I	3-2-4	BIO 163	Basic Anatomy and Physiology	4-2-5
MAT 272	Calculus II	3-2-4	BIO 165	Anatomy and Physiology I	3-3-4
MAT 273	Calculus III	3-2-4	BIO 166	Anatomy and Physiology II	3-3-4
MAT 285	Differential Equations	3-0-3	BIO 168	Anatomy and Physiology I	3-3-4
PHI 210	History of Philosophy	3-0-3	BIO 169	Anatomy and Physiology II	3-3-4
PHI 230	Introduction to Logic	3-0-3	BIO 175	General Microbiology	2-2-3
PHY 151	College Physics I	3-2-4	BIO 176	Advanced General Microbiology	1-2-2
PHY 152	College Physics II	3-2-4	BIO 180	Biological Chemistry	2-2-3
PHY 251	General Physics I	3-3-4	BIO 250	Genetics	3-3-4
PHY 252	General Physics II	3-3-4	BIO 265	Cell Biology	3-3-4
PSY 237	Social Psychology	3-0-3	BIO 271	Pathophysiology	3-0-3
PSY 241	Developmental Psychology	3-0-3	BIO 275	Microbiology	3-3-4
PSY 281	Abnormal Psychology	3-0-3	BIO 280	Biotechnology	2-2-3
REL 110	World Religions	3-0-3	BUS 110	Introduction to Business	3-0-3
REL 211	Introduction to Old Testament	3-0-3	BUS 115	Business Law I	3-0-3
REL 212	Introduction to New Testament	3-0-3	BUS 137	Principles of Management	3-0-3
SOC 213	Sociology of the Family	3-0-3	CHM 130	General, Organic and Biochemistry	3-0-3
SOC 220	Social Problems	3-0-3	CHM 130A	General, Organic, and Biochemistry Lab	0-2-1
SOC 225	Social Diversity	3-0-3	CHM 251	Organic Chemistry I	3-3-4
SOC 240	Social Psychology	3-0-3	CHM 252	Organic Chemistry II	3-3-4
SPA 111	Elementary Spanish I	3-0-3	CJC 111	Introduction to Criminal Justice	3-0-3
SPA 112	Elementary Spanish II	3-0-3	CJC 121	Law Enforcement Operations	3-0-3
SPA 211	Intermediate Spanish I	3-0-3	CJC 141	Corrections	3-0-3
SPA 212	Intermediate Spanish II	3-0-3	COM 130	Nonverbal Communication	3-0-3
			CSC 134	C++ Programming	2-3-3
			CSC 139	Visual BASIC Programming	2-3-3
			CSC 151	JAVA Programming	2-3-3
			DRA 124	Readers Theatre	3-0-3
			DRA 130	Acting I	0-6-3
			DRA 131	Acting II	0-6-3
			DRA 140	Stagecraft I	0-6-3
			DRA 141	Stagecraft II	0-6-3
			DRA 145	Stage Makeup	1-2-2
			DRA 170	Play Production I	0-9-3
			DRA 171	Play Production II	0-9-3
			DRA 260	Directing	0-6-3
			DRA 270	Play Production III	0-9-3

### III. Other Required Hours (15 SHC)

In addition to ACA 122 and 2 SHC of PED, 12 SHC can be selected from the UGETC and General Education courses listed above and any courses classified Pre-Major/Elective (listed below) in the Comprehensive Articulation Agreement. Students are advised to select courses based on intended major and senior institution requirements. Students must meet the receiving university's foreign language, health and physical education requirements, if applicable, prior to or after transfer to the senior institution. Students need to complete two courses in foreign language if two

DRA 271	Play Production IV	0-9-3
EGR 150	Intro to Engineering	1-2-2
EGR 220	Engineering Statics	3-0-3
ENG 125	Creative Writing I	3-0-3
ENG 126	Creative Writing II	3-0-3
ENG 273	African American Literature	3-0-3
HEA 110	Personal Health and Wellness	3-0-3
HEA 112	First Aid & CPR	1-2-2
HIS 222	African-American History I	3-0-3
HIS 223	African-American History II	3-0-3
HIS 226	The Civil War	3-0-3
HIS 236	North Carolina History	3-0-3
MAT 285	Differential Equations	3-0-3
PED 110	Fit and Well for Life	1-2-2
PED 113	Aerobics I	0-3-1
PED 114	Aerobics II	0-3-1
PED 115	Step Aerobics I	0-3-1
PED 116	Step Aerobics II	0-3-1
PED 117	Weight Training I	0-3-1
PED 118	Weight Training II	0-3-1
PED 121	Walk, Jog, Run	0-3-1
PED 128	Golf-Beginning	0-2-1
PED 130	Tennis-Beginning	0-2-1
PED 139	Bowling-Beginning	0-2-1
PED 143	Volleyball-Beginning	0-2-1
PED 145	Basketball-Beginning	0-2-1
PED 219	Disc Golf	0-2-1
PHS 110	Survey of Physical Science	3-2-4
POL 130	State and Local Government	3-0-3
PSY 246	Adolescent Psychology	3-0-3
SOC 215	Group Processes	3-0-3
SOC 232	Social Context of Aging	3-0-3
SPA 141	Culture and Civilization	3-0-3
WBL 111	Work-Based Learning I	0-10-1

Total Semester Credit Hours Required for Degree: 60/61 SHC

**Associate in Science (AS)  
Credential: Associate in Science Degree  
A10400**

The Associate in Science degree allows students to earn a minimum of 60 semester hours of credit (SHC) of college transfer courses and offers opportunities for the achievement of competence in reading, writing, oral communication, and fundamental mathematical skills. Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in sciences programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Graduates must obtain a grade of “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.

Program Length: 4 semesters

Career Pathway Options: Associate in Arts Degree, Baccalaureate Degree at a Senior Institution

Program Sites:

Lee Campus – Day, 1st and 2nd Year, Evening, 1st Year and selected courses in 2nd Year

Chatham Campus – Day, Evening, 1st Year and selected courses in 2nd Year

Harnett Campus – Day, Evening, 1st Year and selected courses in 2nd Year

Distance Education - 1st Year and selected courses in 2nd Year - All Campuses

**Course Requirements for Associate in Science Degree**

I. Universal General Education Transfer Component (UGETC) 34 SHC

A. Composition (6 SHC)	C-L-CR
ENG 111 Writing and Inquiry	3-0-3
ENG 112 Writing and Research in the Disciplines	3-0-3

**B. Humanities/Fine Arts/Communication (6 SHC)**

Select courses from two of the following discipline areas: art, communications, music, literature, and philosophy.

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 231 Public Speaking	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 (6 SHC)**

Select courses from two of the following discipline areas: economics, history, political science, psychology, and sociology. One course must be a history course.

ECO 251	Principles of Microeconomics	3-0-3
ECO 252	Principles of Macroeconomics	3-0-3
HIS 111	World Civilizations I	3-0-3
HIS 112	World Civilizations 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 SHC)**

Select a two-semester course sequence (strongly recommended) in general biology, general chemistry or general physics (a-d) or a pair of the one-semester course combinations listed below (e-j). All courses must have a lab component.

a. BIO 111	General Biology I	3-3-4
BIO 112	General Biology II	3-3-4
b. CHM 151	General Chemistry I	3-3-4
CHM 152	General Chemistry II	3-3-4
c. PHY 151	College Physics I	3-2-4
PHY 152	College Physics II	3-2-4
d. PHY 251	General Physics I	3-3-4
PHY 252	General Physics II	3-3-4
e. AST 151	General Astronomy I	3-0-3
AST 151A	General Astronomy I Lab	0-2-1
BIO 110	Principles of Biology	3-3-4
f. AST 151	General Astronomy I	3-0-3
AST 151A	General Astronomy I Lab	0-2-1
GEL 111	Introductory Geology	3-2-4
g. AST 151	General Astronomy I	3-0-3
AST 151A	General Astronomy I Lab	0-2-1
PHY 110	Conceptual Physics	3-0-3
PHY 110A	Conceptual Physics Lab	0-2-1
h. BIO 110	Principles of Biology	3-3-4
GEL 111	Introductory Geology	3-2-4
i. BIO 110	Principles of Biology	3-3-4
PHY 110	Conceptual Physics	3-0-3
PHY 110A	Conceptual Physics Lab	0-2-1
j. GEL 111	Introductory Geology	3-2-4
PHY 110	Conceptual Physics	3-0-3
PHY 110A	Conceptual Physics Lab	0-2-1

**E. Mathematics (8 SHC)**

Select two courses in mathematics.

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 SHC)**

Select additional courses from UGETC courses listed above or from the courses classified as General Education courses in the NCCCS Combined Course Library. Students are

advised to select courses based on intended major and senior institution.

ANT 210	General Anthropology	3-0-3
BIO 120	Introductory Botany	3-3-4
BIO 130	Introductory Zoology	3-3-4
BIO 140	Environmental Biology	3-0-3
BIO 140A	Environmental Biology Lab	0-3-1
CHI 111	Elementary Chinese I	3-0-3
CHI 112	Elementary Chinese II	3-0-3
CHI 211	Intermediate Chinese I	3-0-3
CHI 212	Intermediate Chinese II	3-0-3
CHM 131	Introduction to Chemistry	3-0-3
CHM 131A	Introduction to Chemistry Lab	0-3-1
CHM 132	Organic and Biochemistry	3-3-4
CIS 110	Introduction to Computers	2-2-3
CIS 115	Introduction to Programming and Logic	2-2-3
COM 110	Introduction to Communication	3-0-3
COM 120	Interpersonal Communication	3-0-3
COM 140	Intro to Intercultural Communication	3-0-3
DRA 111	Theatre Appreciation	3-0-3
ECO 151	Survey of Economics	3-0-3
ENG 113	Literature-Based Research	3-0-3
ENG 114	Prof Research and Reporting	3-0-3
ENG 233	Major American Writers	3-0-3
ENG 243	Major British Writers	3-0-3
ENG 261	World Literature I	3-0-3
ENG 262	World Literature II	3-0-3
GEL 113	Historical Geology	3-2-4
GEL 230	Environmental Geology	3-2-4
HIS 121	Western Civilization I	3-0-3
HIS 122	Western Civilization II	3-0-3
HUM 110	Technology and Society	3-0-3
HUM 115	Critical Thinking	3-0-3
HUM 120	Cultural Studies	3-0-3
HUM 122	Southern Culture	3-0-3
HUM 150	American Women's Studies	3-0-3
HUM 220	Human Values and Meaning	3-0-3
MAT 272	Calculus II	3-2-4
MAT 273	Calculus III	3-2-4
PHI 230	Introduction to Logic	3-0-3
PSY 237	Social Psychology	3-0-3
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 225	Social Diversity	3-0-3
SOC 240	Social Psychology	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

**III. Other Required Hours (15 SHC)**

In addition to ACA 122 and 2 SHC of PED, 12 SHC can be selected from the UGETC and General Education courses listed above and any courses classified Pre-Major/Elective (listed below) in the Comprehensive Articulation

Agreement. Students are advised to select courses based on intended major and senior institution requirements. Students must meet the receiving university's foreign language, health and physical education requirements, if applicable, prior to or after transfer to the senior institution. Students need to complete two courses in foreign language if two semesters or more if a foreign language was not taken in high school.

ACA 122	College Transfer Success	1-0-1
ACC 120	Principles of Financial Accounting	3-2-4
ACC 121	Principles of Managerial Accounting	3-2-4
ART 121	Design I	0-6-3
ART 122	Design II	0-6-3
ART 131	Drawing I	0-6-3
ART 132	Drawing II	0-6-3
ART 214	Portfolio and Resume	0-2-1
ART 231	Printmaking I	0-6-3
ART 232	Printmaking II	0-6-3
ART 240	Painting I	0-6-3
ART 241	Painting II	0-6-3
ART 281	Sculpture I	0-6-3
ART 282	Sculpture II	0-6-3
ART 283	Ceramics I	0-6-3
ART 284	Ceramics II	0-6-3
BIO 143	Field Biology Minicourse	1-2-2
BIO 150	Genetics in Human Affairs	3-0-3
BIO 155	Nutrition	3-0-3
BIO 163	Basic Anatomy and Physiology	4-2-5
BIO 165	Anatomy and Physiology I	3-3-4
BIO 166	Anatomy and Physiology II	3-3-4
BIO 168	Anatomy and Physiology I	3-3-4
BIO 169	Anatomy and Physiology II	3-3-4
BIO 175	General Microbiology	2-2-3
BIO 176	Advanced General Microbiology	1-2-2
BIO 180	Biological Chemistry	2-2-3
BIO 250	Genetics	3-3-4
BIO 265	Cell Biology	3-3-4
BIO 271	Pathophysiology	3-0-3
BIO 275	Microbiology	3-3-4
BIO 280	Biotechnology	2-2-3
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	General, Organic and Biochemistry	3-0-3
CHM 130A	General, Organic, and Biochemistry Lab	0-2-1
CHM 251	Organic Chemistry I	3-3-4
CHM 252	Organic Chemistry II	3-3-4
CJC 111	Introduction to Criminal Justice	3-0-3
CJC 121	Law Enforcement Operations	3-0-3
CJC 141	Corrections	3-0-3
COM 130	Nonverbal Communication	3-0-3
CSC 134	C++ Programming	2-3-3
CSC 139	Visual BASIC Programming	2-3-3
CSC 151	JAVA Programming	2-3-3
CTS 115	Info Sys Business Concepts	3-0-3
DRA 124	Readers Theatre	3-0-3
DRA 130	Acting I	0-6-3
DRA 131	Acting II	0-6-3

DRA 140	Stagecraft I	0-6-3
DRA 170	Play Production I	0-9-3
EGR 150	Intro to Engineering	1-2-2
EGR 220	Engineering Statics	3-0-3
ENG 125	Creative Writing I	3-0-3
ENG 126	Creative Writing II	3-0-3
ENG 273	African American Literature	3-0-3
HEA 110	Personal Health and Wellness	3-0-3
HIS 222	African-American History I	3-0-3
HIS 223	African-American History II	3-0-3
HIS 226	The Civil War	3-0-3
HIS 236	North Carolina History	3-0-3
MAT 280	Linear Algebra	2-2-3
MAT 285	Differential Equations	3-0-3
PED 110	Fit and Well for Life	1-2-2
PED 113	Aerobics I	0-3-1
PED 114	Aerobics II	0-3-1
PED 115	Step Aerobics I	0-3-1
PED 116	Step Aerobics II	0-3-1
PED 117	Weight Training I	0-3-1
PED 118	Weight Training II	0-3-1
PED 121	Walk, Jog, Run	0-3-1
PED 128	Golf-Beginning	0-2-1
PED 130	Tennis-Beginning	0-2-1
PED 139	Bowling-Beginning	0-2-1
PED 143	Volleyball-Beginning	0-2-1
PED 145	Basketball-Beginning	0-2-1
PED 148	Softball	0-2-1
PED 149	Flag Football	0-2-1
PED 155	Water Aerobics	0-2-1
PED 160	Canoeing-Basic	0-2-1
PED 219	Disc Golf	0-2-1
PED 254	Coaching Basketball	1-2-2
POL 130	State and Local Government	3-0-3
PSY 246	Adolescent Psychology	3-0-3
SOC 232	Social Context of Aging	3-0-3
SPA 141	Culture and Civilization	3-0-3
WBL 111	Work-Based Learning I	0-10-1

Total Semester Credit Hours Required for Degree: 60/61 SHC

**Associate in Engineering (AE)  
Credential: Associate in Engineering Degree  
A10500 (pending SACSCOC approval)**

The Associate in Engineering degree allows students who wish to transfer to a state funded university with a Bachelor of Engineering program to earn a minimum of 60 semester hours of credit (SHC) for college transfer courses and offers opportunities for the achievement of competence in reading, writing, oral communication, and fundamental mathematical skills. Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA).

Students who follow the degree progression plan will meet the entrance requirements at all of the North Carolina public Bachelor of Science Engineering programs. Associate in Engineering graduates may then apply to any of these

programs without taking additional and sometimes duplicative courses.

Admission to Engineering programs is highly competitive and admission is not guaranteed. To be eligible for the transfer of credits under the AE to the Bachelor of Science in Engineering Articulation Agreement, community college graduates must obtain a grade of “C” or better in each course and an overall GPA of at least 2.5 on a 4.0 scale. Courses may also transfer through bilateral agreements between institutions.

Program Length: 4 semesters  
Career Pathway Options: Associate in Engineering Degree, Baccalaureate in Engineering Degree at a Senior Institution

#### Program Sites:

Lee Campus – Day, 1st and 2nd Year; Evening, selected courses 1st Year and 2nd Year  
Chatham Campus – Day, 1st and 2nd Year, selected courses; Evening, 1st Year and 2nd Year, selected courses  
Harnett Campus – Day, 1st and 2nd Year, selected courses; Evening, 1st Year and 2nd Year, selected courses  
Distance Education - Selected courses 1<sup>st</sup> and 2nd Year - All Campuses

### Course Requirements for Associate in Engineering Degree

I. Universal General Education Transfer Component (UGETC) 42 SHC

A. Composition (6 SHC)		C-L-CR
ENG 111	Writing and Inquiry	3-0-3
ENG 112	Writing and Research in the Disciplines	3-0-3

B. Humanities (3 SHC). Choose one:

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
PHI 215	Philosophical Issues	3-0-3
PHI 240	Introduction to Ethics	3-0-3
REL 110	World Religions	3-0-3

*(REL 110 will transfer for equivalency credit to the engineering programs at all five UNC institutions that offer undergraduate engineering programs. It may not transfer with equivalency to other programs).*

C. Communication (3 SHC). Choose one:

Select a course from the following discipline areas: art, communications, music.

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 231	Public Speaking	3-0-3
MUS 110	Music Appreciation	3-0-3
MUS 112	Introduction to Jazz	3-0-3

D. Social and Behavioral Sciences (6 SHC)

One required course, choose one additional course.

Required:

ECO 251	Principles of Microeconomics	3-0-3
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One additional course:

HIS 111	World Civilizations I	3-0-3
HIS 112	World Civilizations 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

E. Natural Sciences (12 SHC)

CHM 151	General Chemistry I	3-3-4
PHY 251	General Physics I	3-3-4
PHY 252	General Physics II	3-3-4

F. Mathematics (12 SHC)

MAT 271	Calculus I	3-2-4
MAT 272	Calculus II	3-2-4
MAT 273	Calculus III	3-2-4

*Calculus I is the lowest math course that will be accepted by engineering programs for transfer as a math credit. Students who are not calculus-ready will need to take additional math courses.*

II. Additional General Education Hours (18 SHC)

Two required courses, choose additional courses. At least two credit hours must be from PED.

ACA 122	College Transfer Success	1-0-1
EGR 150	Introduction to Engineering	1-2-2

Select additional courses from UGETC courses listed above or from the courses classified as General Education courses in the NCCCS Combined Course Library.

BIO 111	General Biology I	3-3-4
CHM 152	General Chemistry II	3-3-4
COM 110	Introduction to Communication	3-0-3
CSC 134	C++ Programming	2-3-3
CSC 151	JAVA Programming	2-3-3
DFT 170	Engineering Graphics	2-2-3
ECO 252	Principles of Macroeconomics	3-0-3
EGR 210	Intro to Electr./Computer Engineering Lab	1-3-2
EGR 212	Logic System Design I	3-0-3
EGR 215	Network Theory I	3-0-3
EGR 216	Logic and Network Lab	0-3-1
EGR 220	Engineering Statics	3-0-3
EGR 225	Engineering Dynamics	3-0-3
EGR 228	Introduction to Solid Mechanics	3-0-3
HUM 110	Technology and Society	3-0-3
MAT 280	Linear Algebra	2-2-3
MAT 285	Differential Equations	3-0-3
PED 110	Fit and Well for Life	1-2-2

Total Semester Credit Hours Required for Degree: 60/61 SHC

## Business Technologies

### Accounting

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

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

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

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

Program Length: 4 semesters

Career Pathway Options: Associate in Applied Science  
Degree in Accounting

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

#### Course Requirements for Accounting Degree

<i>A. General Education Courses (15 SHC)</i>		C-L-SHC
ENG 111	Writing and Inquiry	3-0-3
ENG 114	Professional Research and Reporting	3-0-3
	Humanities/Fine Arts Requirement	3-0-3
	Social/Behavioral Science Requirement	3-0-3

Select one course:

MAT 110	Math Measurement & Literacy	2-2-3
or		
MAT 143	Quantitative Literacy	2-2-3

#### *B. Major Requirements (24 SHC)*

ACC 120	Principles of Financial Accounting	3-2-4
ACC 121	Principles of Managerial Accounting	3-2-4
ACC 129	Individual Income Taxes	2-2-3
ACC 220	Intermediate Accounting I	3-2-4
BUS 115	Business Law I	3-0-3
CIS 110	Introduction to Computers	2-2-3

Economics Requirement—Take one course ( SHC)

ECO 151	Survey of Economics	3-0-3
ECO 251	Principles of Microeconomics	3-0-3
ECO 252	Principles of Macroeconomics	3-0-3

#### *C. Other Major Requirements (29 SHC)*

ACC 122	Principles of Financial Accounting II	3-0-3
ACC 130	Business Income Taxes	2-2-3
ACC 140	Payroll Accounting	1-2-2
ACC 150	Accounting Software Applications	1-2-2
ACC 221	Intermediate Accounting II	3-2-4
ACC 227	Practices in Accounting	3-0-3
BUS 110	Introduction to Business	3-0-3
BUS 125	Personal Finance	3-0-3
BUS 225	Business Finance	2-2-3

Major Electives (Select 3 SHC)

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

#### *D. Other Requirements (1 SHC)*

Student Success – Select One

ACA 111	College Student Success	1-0-1
ACA 115	Success and Study Skills	0-2-1
ACA 122	College Transfer Success	1-0-1

Total Semester Hours Credit Required: 69

### Accounting

#### Credential: Diploma in Accounting D25100

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

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

Graduates should qualify for entry-level accounting positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental