



**Associate in Science
Pre-Major Associate in Science Degrees
Arts and Sciences
Comprehensive Articulation Agreement
North Carolina Community College System
University of North Carolina System**

This program prepares the student to transfer courses or the degree in its entirety to a four-year senior institution. The Associate in Science Degree stresses natural and physical sciences, mathematics, communication, and the social sciences.

Program Length: 4 semesters
Career Pathway Options: Associate in Science Degree, Baccalaureate Degree at a Senior Institution
Program Sites:
Lee Campus - Day and Evening, 1st and 2nd Year
Chatham Campus - Day - 1st Year, Selected Evening Courses
Harnett Campus - Day - 1st Year, Selected Evening Courses
Distance Education - Selected Courses

Course Requirements for Associate in Science Degree

I. General Education (44 SHC)

<u>A. Composition (6 SHC)</u>		C-L-SHC
ENG 111	Expository Writing	3-0-3
ENG 112	Argument-Based Research OR	3-0-3
ENG 113	Literature-Based Research OR	3-0-3
ENG 114	Professional Research and Reporting	3-0-3

B. Humanities/Fine Arts (9 SHC)

Choose courses from at least three different areas. One course must be a literature course (ENG). 3 SHC of speech/communication (COM) may substitute for 3 SHC of Humanities/Fine Arts in AA and AS degree programs. Speech/Communication may not substitute for the literature requirements.

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
ART 117	Non-Western Art Survey	3-0-3
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
COM 110	Introduction to Communication	3-0-3
COM 120	Interpersonal Communication	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 233	Major American Writers	3-0-3

ENG 241	British Literature I	3-0-3
ENG 242	British Literature II	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
FRE 111	Elementary French I	3-0-3
FRE 112	Elementary French II	3-0-3
FRE 211	Intermediate French I	3-0-3
FRE 212	Intermediate French 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 160	Introduction to Film	2-2-3
HUM 220	Human Values and Meaning	3-0-3
MUS 110	Music Appreciation	3-0-3
MUS 112	Introduction to Jazz	3-0-3
PHI 210	History of Philosophy	3-0-3
PHI 215	Philosophical Issues	3-0-3
PHI 230	Introduction to Logic	3-0-3
PHI 240	Introduction to Ethics	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
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

C. Social/Behavioral Sciences (9 SHC)

Select courses from each of three disciplines. One course must be a history course.

ANT 210	General Anthropology	3-0-3
ANT 220	Cultural Anthropology	3-0-3
ECO 151	Survey of Economics	3-0-3
ECO 251	Principles of Microeconomics	3-0-3
ECO 252	Principles of Macroeconomics	3-0-3
GEO 111	World Regional Geography	3-0-3
HIS 111	World Civilizations I	3-0-3
HIS 112	World Civilizations II	3-0-3
HIS 115	Introduction to Global History	3-0-3
HIS 121	Western Civilization I	3-0-3
HIS 122	Western 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
POL 210	Comparative Government	3-0-3
POL 220	International Relations	3-0-3
PSY 150	General Psychology	3-0-3
PSY 237	Social Psychology	3-0-3
PSY 241	Developmental Psychology	3-0-3
PSY 281	Abnormal Psychology	3-0-3
SOC 210	Introduction to Sociology	3-0-3
SOC 213	Sociology of the Family	3-0-3
SOC 220	Social Problems	3-0-3
SOC 225	Social Diversity	3-0-3
SOC 240	Social Psychology	3-0-3

D. Natural Sciences (8 SHC)

A two-course sequence in general biology, general chemistry, or general physics is required.

BIO 111	General Biology I	3-3-4
BIO 112	General Biology II	3-3-4
CHM 151	General Chemistry I	3-3-4
CHM 152	General Chemistry II	3-3-4

PHY 151	College Physics I	3-2-4
PHY 152	College Physics II	3-3-4
PHY 251	General Physics I	3-3-4
PHY 252	General Physics II	3-3-4

E. Mathematics (6 SHC)

At least one course in mathematics at the Precalculus algebra level or above is required; the other course may be a higher level mathematics course or may be selected from among other quantitative subjects, such as computer science and statistics.

CIS 110	Introduction to Computers	2-2-3
CIS 115	Introduction to Programming and Logic	2-2-3
MAT 151	Statistics I	3-0-3
MAT 171	Precalculus Algebra	3-0-3
MAT 172	Precalculus Trigonometry	3-0-3
MAT 175	Precalculus	4-0-4
MAT 263	Brief Calculus	3-0-3
MAT 271	Calculus I	3-2-4
MAT 272	Calculus II	3-2-4
MAT 273	Calculus III	3-2-4

F. Natural Sciences/Mathematics

**Six additional semester hour credits must be selected from courses designated as Natural Sciences/Mathematics general education transfer courses. Courses can be selected from any courses in Part D or Part E above or from the courses listed below.

AST 111	Descriptive Astronomy	3-0-3
AST 111A	Descriptive Astronomy Lab	0-2-1
BIO 110	Principles of Biology	3-3-4
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
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
GEL 111	Introductory Geology	3-2-4
GEL 113	Historical Geology	3-2-4
GEL 230	Environmental Geology	3-2-4
PHY 110	Conceptual Physics	3-0-3
PHY 110A	Conceptual Physics Lab	0-2-1

II. Other Required Hours (20-21 SHC)*

These courses may be selected from the following or any of the above listed courses not used to meet minimum block requirements. Students should consult with their advisor to determine the appropriate elective to complete based upon the requirements of the selected receiving institution and the students' intended major. Must include a minimum of 14 SHC of college transfer courses in mathematics, natural science or computer science. The remaining courses may be selected from general education, pre-major or elective courses. Must include a minimum of 2 SHC in physical education. Must take ENG 111A with ENG 111. Work experience may be included up to 1 SHC career exploration.

ACA 122	College Transfer Success	1-0-1
ACC 120	Principles of Financial Acct.	3-2-4
ACC 121	Principles of Managerial Acct	3-2-4
ART 131	Drawing I	0-6-3
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	Adv General Microbiology	1-2-2
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 228	Business Statistics	2-2-3
CHI 181	Chinese Lab I	0-2-1
CHI 182	Chinese Lab II	0-2-1
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
COE 111	Co-op Work Experience I	0-10-1
COE 115	Work Experience Seminar I	1-0-1
COM 130	Nonverbal Communication	3-0-3
COM 140	Intercultural Communication	3-0-3
CSC 134	C++ 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 170	Play Production I	0-9-3
DRA 171	Play Production II	0-9-3
ENG 111A	Expository Writing Lab	0-2-1
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/Wellness	3-0-3
HIS 151	Hispanic Civilization	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
HUM 180	International Cultural Explor	2-3-3
MAT 141	Mathematical Concepts I	3-0-3
MAT 142	Mathematical Concepts II	3-0-3
MAT 161	College Algebra	3-0-3
MAT 162	College Trigonometry	3-0-3
MAT 210	Logic	3-0-3
MAT 280	Linear Algebra	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 148	Softball	0-2-1
PED 149	Flag Football	0-2-1
PED 152	Swimming-Beginning	0-2-1
PED 155	Water Aerobics	0-3-1
PED 160	Canoe-Basic	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 161	Cultural Immersion	3-0-3

Total Semester Hours Credit Required for Graduation: 64-65

NOTE:

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution. 3 SHC in Speech/Communication may be substituted for 3 SHC in humanities/fine arts. Speech/Communication may not substitute for the literature requirement.

If a student completed the ENG 111 requirement at an institution that does not require four semester hours of first-level English, the fourth hour is waived and the student may graduate with 64 semester hours total credit. Conversely, if a student is required to take ENG 111A at an institution that does require four semester hours of first-level English (as does Central Carolina Community College), that student must complete 65 semester hours total credit to graduate.

Suggested Semester Curriculum for Associate in Science Degree

1st Semester (Fall)

ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
	Natural Science Course/Lab (First in Sequence)	3-3-4
	Required History Course	3-0-3
	Approved Introduction Math Course	3/4-0-3/4
	Required Physical Education elective	<u>0-2-1</u>
		12/13-7-15/16

2nd Semester (Spring)

ENG 112	Argument-Based Research	3-0-3
	OR	
ENG 113	Literature-Based Research	
	OR	
ENG 114	Professional Research and Reporting	
	Natural Science Course and Lab	3-3-4
	(Second in Sequence)	
	Approved Social/Behavioral Course	3-0-3
	Required Math Course	3-0-3
	Approved Elective	<u>3-0-3</u>
		15-3-16

3rd Semester (Fall)

	Required Literature Course	3-0-3
	Approved Humanities/Fine Arts	3-0-3
	Required Physical Education Elective	0-2-1
	Approved Social/Behavioral Science Course	3-0-3
	Required Math/Science Course	3/4-0/3-3/4
	Required Math/Science Course	<u>3/4-0/3-3/4</u>
		15/17-2/8-16/17

4th Semester (Spring)

	Approved Humanities/Fine Arts Course	3-0-3
	Required Math/Science Course	3/4-0/3-3/4
	Required Math/Science Course	3/4-0/3-3/4
	Required Math/Science Course	3/4-0/3-3/4
	Required Math/Science Course	<u>3/4-0/3-3/4</u>
		15/16-0/12-15/16

Total Semester Hours Credit: 64/65