

UNIVERSITY TRANSFER Associate in Science (A10400)

Richmond Community College offers two associate degree programs designed to allow seamless transition to four-year institutions: Associate in Arts (AA) and Associate in Science (AS). These programs are designed to offer students the freshman and sophomore years of a baccalaureate-track program.

The Associate in Science program is designed for students desiring a bachelor's degree and/or pre-professional training in biological, mathematical, or natural science disciplines.

The Associate in Science degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) 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 the basic computer use.

The Comprehensive Articulation Agreement (CAA) and the Independent Comprehensive Articulation Agreement (ICAA) enables North Carolina community college graduates of two-year associate in science programs who are admitted to constituent institutions of The University of North Carolina and to Signatory Institutions of North Carolina Independent Colleges and Universities to transfer with junior status.

Community college 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.

Transfer programs such as this require a "C" or better in all classes to graduate.

ACADEMIC PRE-MAJORS

Counselors and advisors can help students design a program of study. See <https://www.northcarolina.edu/Transfer-Student-Success/NC-Community-College-Transfer> for additional information.

A. UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT (45 SHC)

(All courses in this component are required and will transfer for equivalency credit.)

			Class	Lab	Work/ Clinical	Credit
1. English Composition (6 SHC)						
ENG	111	Writing & Inquiry	3	0	0	3
ENG	112	Writing/Research in the Disciplines	3	0	0	3
2. Communications and Humanities/Fine Arts (6 SHC)						
<i>Choose two (2) courses from the following from at least two different disciplines.</i>						
ART	111	Art Appreciation	3	0	0	3
ART	114	Art History Survey I	3	0	0	3
ART	115	Art History Survey II	3	0	0	3
COM	120	Intro to Interpersonal Communication	3	0	0	3
COM	231	Public Speaking	3	0	0	3
ENG	231	American Literature I	3	0	0	3
ENG	232	American Literature II	3	0	0	3
ENG	241	British Literature I	3	0	0	3

ENG	242	British Literature II	3	0	0	3
MUS	110	Music Appreciation	3	0	0	3
MUS	112	Introduction to Jazz	3	0	0	3
PHI	215	Philosophical Issues	3	0	0	3
PHI	240	Introduction to Ethics	3	0	0	3

3. Social/Behavioral Sciences (6 SHC)

Choose two (2) courses from the following from at least two (2) different disciplines.

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

4. Mathematics (8 SHC)

Select two courses from the following:

MAT	171	Precalculus Algebra	3	2	0	4
MAT	172	Precalculus Trigonometry	3	2	0	4
MAT	263	Brief Calculus	3	2	0	4
MAT	271	Calculus I	3	2	0	4
MAT	272	Calculus II	3	2	0	4

5. Natural Sciences (8 SHC)

Select one (1) group from the following:

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

PHY 252 General Physics II 3 3 0 4

6. Additional General Education hours (11 SHC)*

Select 11 semester hours of additional general education courses from the preceding Humanities/Fine Arts, Social/Behavioral Sciences, Mathematics, and Natural Sciences or any of the courses listed below. Students should select these courses based on their intended major and transfer university.

B. OTHER REQUIRED HOURS (15 SHC)

1. Academic Transition

ACA 122 College Transfer Success 0 2 0 1

2. Electives (14 SHC)**

Select a minimum of fourteen (14) semester hours. Students may take additional general education courses from the preceding general education sections or courses classified as a pre-major/and or elective course within the Comprehensive Articulation Agreement listed below. Students should select these courses based on their intended major and transfer university.

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.

Total Credit Hours

60-61

***Courses approved to meet the General Education requirement under the Comprehensive Articulation Agreement.**

			Class	Lab	Work/ Clinical	Credit
ANT	220	Cultural Anthropology	3	0	0	3
ART	111	Art Appreciation	3	0	0	3
ART	114	Art History Survey I	3	0	0	3
ART	115	Art History Survey II	3	0	0	3
ASL	111	Elementary Sign Language I	3	0	0	3
ASL	112	Elementary Sign Language II	3	0	0	3
AST	111	Descriptive Astronomy	3	0	0	3
AST	111A	Descriptive Astronomy Lab	0	2	0	1
BIO	112	General Biology II	3	3	0	4
BIO	140	Environmental Biology	3	0	0	3
BIO	140A	Environmental Biology Lab	0	3	0	1
CHM	131	Introduction to Chemistry	3	0	0	3
CHM	131A	Introduction to Chemistry Lab	0	3	0	1
CIS	110	Introduction to Computers	2	2	0	3
CIS	115	Introduction to Programming & Logic	2	3	0	3
COM	120	Intro to Interpersonal Communication	3	0	0	3
DRA	111	Theatre Appreciation	3	0	0	3
ENG	114	Professional Research & Reporting	3	0	0	3
ENG	241	British Literature I	3	0	0	3
ENG	242	British Literature II	3	0	0	3
HIS	121	Western Civilization I	3	0	0	3

HUM	115	Critical Thinking	3	0	0	3
HUM	120	Cultural Studies	3	0	0	3
MAT	272	Calculus II	3	2	0	4
MAT	273	Calculus III	3	2	0	4
PHI	215	Philosophical Issues	3	0	0	3
PHI	240	Introduction to Ethics	3	0	0	3
PSY	241	Developmental Psychology	3	0	0	3
PSY	281	Abnormal Psychology	3	0	0	3
REL	110	World Religions	3	0	0	3
REL	211	Introduction to Old Testament	3	0	0	3
REL	212	Introduction to New Testament	3	0	0	3
SOC	213	Sociology of the Family	3	0	0	3
SOC	220	Social Problems	3	0	0	3
SOC	225	Social Diversity	3	0	0	3
SOC	240	Social Psychology	3	0	0	3
SPA	111	Elementary Spanish I	3	0	0	3
SPA	112	Elementary Spanish II	3	0	0	3
SPA	211	Intermediate Spanish I	3	0	0	3
SPA	212	Intermediate Spanish II	3	0	0	3

****Courses approved as pre-major and/or elective courses under the Comprehensive Articulation Agreement.**

			Class	Lab	Work/ Clinical	Credit
ACC	120	Principles of Financial Accounting	3	2	0	4
ACC	121	Principles of Managerial Accounting	3	2	0	4
ANT	220	Cultural Anthropology	3	0	0	3
ART	111	Art Appreciation	3	0	0	3
ART	114	Art History Survey I	3	0	0	3
ART	115	Art History Survey II	3	0	0	3
ART	121	Two-Dimensional Design	0	6	0	3
ART	122	Three-Dimensional Design	0	6	0	3
ART	131	Drawing I	0	6	0	3
ART	171	Digital Design I	0	6	0	3
ART	240	Painting I	0	6	0	3
ART	241	Painting II	0	6	0	3
ART	264	Digital Photography I	0	6	0	3
ART	281	Sculpture I	0	6	0	3
ART	283	Ceramics I	0	6	0	3
ART	284	Ceramics II	0	6	0	3
ART	285	Ceramics III	0	6	0	3
AST	111	Descriptive Astronomy	3	0	0	3
AST	111A	Descriptive Astronomy Lab	0	2	0	1
BIO	110	Principles of Biology	3	3	0	4
BIO	111	General Biology I	3	3	0	4
BIO	112	General Biology II	3	3	0	4

BIO	140	Environmental Biology	3	0	0	3
BIO	140A	Environmental Biology Lab	0	3	0	1
BIO	163	Basic Anatomy and Physiology	4	2	0	5
BIO	165	Anatomy and Physiology I	3	3	0	4
BIO	166	Anatomy and Physiology II	3	3	0	4
BIO	275	Microbiology	3	3	0	4
BUS	110	Introduction to Business	3	0	0	3
BUS	115	Business Law I	3	0	0	3
BUS	137	Principles of Management	3	0	0	3
CHM	131	Introduction to Chemistry	3	0	0	3
CHM	131A	Introduction to Chemistry Lab	0	3	0	1
CHM	151	General Chemistry I	3	3	0	4
CHM	152	General Chemistry II	3	3	0	4
CHM	251	Organic Chemistry I	3	3	0	4
CHM	252	Organic Chemistry II	3	3	0	4
CIS	110	Introduction to Computers	2	2	0	3
CIS	115	Introduction to Programming & Logic	2	3	0	3
CJC	111	Introduction to Criminal Justice	3	0	0	3
CJC	141	Corrections	3	0	0	3
COM	120	Intro to Interpersonal Communication	3	0	0	3
COM	231	Public Speaking	3	0	0	3
CSC	151	JAVA Programming	2	3	0	3
DRA	111	Theatre Appreciation	3	0	0	3
ECO	251	Principles of Microeconomics	3	0	0	3
ECO	252	Principles of Macroeconomics	3	0	0	3
EDU	144	Child Development I	3	0	0	3
EDU	145	Child Development II	3	0	0	3
EDU	216	Foundations of Education	3	0	0	3
EDU	221	Children with Exceptionalities	3	0	0	3
EGR	150	Introduction to Engineering	1	2	0	2
ENG	114	Professional Research & Reporting	3	0	0	3
ENG	125	Creative Writing I	3	0	0	3
ENG	231	American Literature I	3	0	0	3
ENG	232	American Literature II	3	0	0	3
ENG	241	British Literature I	3	0	0	3
ENG	242	British Literature II	3	0	0	3
ENG	273	African-American Literature	3	0	0	3
GEL	111	Geology	3	2	0	4
HEA	120	Community Health	3	0	0	3
HIS	111	World Civilization I	3	0	0	3
HIS	112	World Civilization II	3	0	0	3
HIS	121	Western Civilization I	3	0	0	3
HIS	131	American History I	3	0	0	3
HIS	132	American History II	3	0	0	3
HUM	115	Critical Thinking	3	0	0	3
HUM	120	Cultural Studies	3	0	0	3

MAT	143	Quantitative Literacy	2	2	0	3
MAT	152	Statistical Methods I	3	2	0	4
MAT	171	Precalculus Algebra	3	2	0	4
MAT	172	Precalculus Trigonometry	3	2	0	4
MAT	263	Brief Calculus	3	2	0	4
MAT	271	Calculus I	3	2	0	4
MAT	272	Calculus II	3	2	0	4
MAT	273	Calculus III	3	2	0	4
MAT	285	Differential Equations	2	2	0	3
MUS	110	Music Appreciation	3	0	0	3
MUS	112	Introduction to Jazz	3	0	0	3
MUS	131	Chorus I	0	2	0	1
MUS	132	Chorus II	0	2	0	1
MUS	210	History of Rock Music	3	0	0	3
PED	110	Fit and Well for Life	1	2	0	2
PED	120	Walking for Fitness	0	3	0	1
PED	121	Walk, Jog, Run	0	3	0	1
PED	174	Wilderness Pursuits	0	2	0	1
PED	219	Disc Golf	0	2	0	1
PHI	215	Philosophical Issues	3	0	0	3
PHI	240	Introduction to Ethics	3	0	0	3
PHY	110	Conceptual Physics	3	0	0	3
PHY	110A	Conceptual Physics Lab	0	2	0	1
PHY	151	College Physics I	3	2	0	4
PHY	152	College Physics II	3	2	0	4
PHY	251	General Physics I	3	3	0	4
PHY	252	General Physics II	3	3	0	4
POL	120	American Government	3	0	0	3
PSY	150	General Psychology	3	0	0	3
PSY	241	Developmental Psychology	3	0	0	3
PSY	281	Abnormal Psychology	3	0	0	3
REL	110	World Religions	3	0	0	3
REL	211	Introduction to Old Testament	3	0	0	3
REL	212	Introduction to New Testament	3	0	0	3
SOC	210	Introduction to Sociology	3	0	0	3
SOC	213	Sociology of the Family	3	0	0	3
SOC	220	Social Problems	3	0	0	3
SOC	225	Social Diversity	3	0	0	3
SOC	240	Social Psychology	3	0	0	3
SPA	111	Elementary Spanish I	3	0	0	3
SPA	112	Elementary Spanish II	3	0	0	3
SPA	211	Intermediate Spanish I	3	0	0	3
SPA	212	Intermediate Spanish II	3	0	0	3

UNIVERSITY TRANSFER Associate in Science (A10400) (Online)

Students must meet eligibility to take college-level coursework through placement tests or other measures. Please see the Student Handbook for further information.

A. UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT (45 SHC)

(All courses in this component are required and will transfer for equivalency credit.)

								Work/ Class Lab Clinical	Credit
1. English Composition (6 SHC)									
ENG	111	Writing & Inquiry	3	0	0	0	3		
ENG	112	Writing/Research in the Disciplines	3	0	0	0	3		
2. Communications and Humanities/Fine Arts (6 SHC)									
<i>Choose two (2) courses from the following from at least two different disciplines.</i>									
ART	111	Art Appreciation	3	0	0	0	3		
COM	120	Intro to Interpersonal Communication	3	0	0	0	3		
COM	231	Public Speaking	3	0	0	0	3		
ENG	231	American Literature I	3	0	0	0	3		
ENG	232	American Literature II	3	0	0	0	3		
ENG	241	British Literature I	3	0	0	0	3		
ENG	242	British Literature II	3	0	0	0	3		
MUS	110	Music Appreciation	3	0	0	0	3		
MUS	112	Introduction to Jazz	3	0	0	0	3		
PHI	215	Philosophical Issues	3	0	0	0	3		
PHI	240	Introduction to Ethics	3	0	0	0	3		
3. Social/Behavioral Sciences (6 SHC)									
<i>Choose two (2) courses from the following from at least two (2) different disciplines.</i>									
ECO	251	Principles of Microeconomics	3	0	0	0	3		
ECO	252	Principles of Macroeconomics	3	0	0	0	3		
HIS	111	World Civilizations I	3	0	0	0	3		
HIS	112	World Civilizations II	3	0	0	0	3		
HIS	131	American History I	3	0	0	0	3		
HIS	132	American History II	3	0	0	0	3		
POL	120	American Government	3	0	0	0	3		
PSY	150	General Psychology	3	0	0	0	3		
SOC	210	Introduction to Sociology	3	0	0	0	3		
4. Mathematics (8 SHC)									
<i>Select two courses from the following:</i>									
MAT	171	Precalculus Algebra	3	2	0	0	4		
MAT	172	Precalculus Trigonometry	3	2	0	0	4		
5. Natural Sciences (8 SHC)									
<i>Select one (1) group from the following:</i>									
BIO	110	Principles of Biology	3	3	0	0	4		
PHY	110	Conceptual Physics	3	0	0	0	3		

PHY	110A	Conceptual Physics Lab	0	2	0	1
BIO	111	General Biology I	3	3	0	4
BIO	112	General Biology II	3	3	0	4
CHM	151	General Chemistry I	3	3	0	4
CHM	152	General Chemistry II	3	3	0	4
BIO	110	Principles of Biology	3	3	0	4
PHY	110	Conceptual Physics	3	0	0	3
PHY	110A	Conceptual Physics Lab	0	2	0	1

6. Additional General Education hours (11 SHC)*

Select 11 semester hours of additional general education courses from the preceding Humanities/Fine Arts, Social/Behavioral Sciences, Mathematics, and Natural Sciences or any of the courses listed below. Students should select these courses based on their intended major and transfer university.

B. OTHER REQUIRED HOURS (15 SHC)

1. Academic Transition

ACA	122	College Transfer Success	0	2	0	1
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2. Electives (14 SHC)**

Select a minimum of fourteen (14) semester hours. Students may take additional general education courses from the preceding general education sections or courses classified as a pre-major/and or elective course within the Comprehensive Articulation Agreement listed below. Students should select these courses based on their intended major and transfer university.

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.

Total Credit Hours

60-61

***Courses approved to meet the General Education requirement under the Comprehensive Articulation Agreement.**

			Class	Lab	Work/ Clinical	Credit
ANT	220	Cultural Anthropology	3	0	0	3
ART	111	Art Appreciation	3	0	0	3
AST	111	Descriptive Astronomy	3	0	0	3
AST	111A	Descriptive Astronomy Lab	0	2	0	1
BIO	112	General Biology II	3	3	0	4
BIO	140	Environmental Biology	3	0	0	3
BIO	140A	Environmental Biology Lab	0	3	0	1
CHM	131	Introduction to Chemistry	3	0	0	3
CHM	131A	Introduction to Chemistry Lab	0	3	0	1
CIS	110	Introduction to Computers	2	2	0	3

CIS	115	Introduction to Programming & Logic	2	3	0	3
ENG	114	Professional Research & Reporting	3	0	0	3
ENG	241	British Literature I	3	0	0	3
ENG	242	British Literature II	3	0	0	3
HUM	115	Critical Thinking	3	0	0	3
HUM	120	Cultural Studies	3	0	0	3
PHI	215	Philosophical Issues	3	0	0	3
PHI	240	Introduction to Ethics	3	0	0	3
PSY	241	Developmental Psychology	3	0	0	3
PSY	281	Abnormal Psychology	3	0	0	3
REL	110	World Religions	3	0	0	3
REL	211	Introduction to Old Testament	3	0	0	3
REL	212	Introduction to New Testament	3	0	0	3
SOC	213	Sociology of the Family	3	0	0	3
SOC	220	Social Problems	3	0	0	3
SOC	240	Social Psychology	3	0	0	3
SPA	111	Elementary Spanish I	3	0	0	3
SPA	112	Elementary Spanish II	3	0	0	3
SPA	211	Intermediate Spanish I	3	0	0	3
SPA	212	Intermediate Spanish II	3	0	0	3

****Courses approved as pre-major and/or elective courses under the Comprehensive Articulation Agreement.**

			Class	Lab	Work/ Clinical	Credit
ACC	120	Principles of Financial Accounting	3	2	0	4
ACC	121	Principles of Managerial Accounting	3	2	0	4
ANT	220	Cultural Anthropology	3	0	0	3
ART	111	Art Appreciation	3	0	0	3
AST	111	Descriptive Astronomy	3	0	0	3
AST	111A	Descriptive Astronomy Lab	0	2	0	1
BIO	110	Principles of Biology	3	3	0	4
BIO	111	General Biology I	3	3	0	4
BIO	112	General Biology II	3	3	0	4
BIO	140	Environmental Biology	3	0	0	3
BIO	140A	Environmental Biology Lab	0	3	0	1
BIO	163	Basic Anatomy and Physiology	4	2	0	5
BIO	165	Anatomy and Physiology I	3	3	0	4
BIO	166	Anatomy and Physiology II	3	3	0	4
BIO	275	Microbiology	3	3	0	4
BUS	110	Introduction to Business	3	0	0	3
BUS	115	Business Law I	3	0	0	3
BUS	137	Principles of Management	3	0	0	3
CHM	131	Introduction to Chemistry	3	0	0	3
CHM	131A	Introduction to Chemistry Lab	0	3	0	1
CHM	151	General Chemistry I	3	3	0	4

CHM	152	General Chemistry II	3	3	0	4
CIS	110	Introduction to Computers	2	2	0	3
CIS	115	Introduction to Programming & Logic	2	3	0	3
CJC	111	Introduction to Criminal Justice	3	0	0	3
CJC	141	Corrections	3	0	0	3
COM	231	Public Speaking	3	0	0	3
CSC	151	JAVA Programming	2	3	0	3
ECO	251	Principles of Microeconomics	3	0	0	3
ECO	252	Principles of Macroeconomics	3	0	0	3
EDU	144	Child Development I	3	0	0	3
EDU	145	Child Development II	3	0	0	3
EDU	216	Foundations of Education	3	0	0	3
EDU	221	Children with Exceptionalities	3	0	0	3
EGR	150	Introduction to Engineering	1	2	0	2
ENG	114	Professional Research & Reporting	3	0	0	3
ENG	231	American Literature I	3	0	0	3
ENG	232	American Literature II	3	0	0	3
ENG	241	British Literature I	3	0	0	3
ENG	242	British Literature II	3	0	0	3
ENG	273	African-American Literature	3	0	0	3
HIS	111	World Civilization I	3	0	0	3
HIS	112	World Civilization II	3	0	0	3
HIS	131	American History I	3	0	0	3
HIS	132	American History II	3	0	0	3
HUM	115	Critical Thinking	3	0	0	3
HUM	120	Cultural Studies	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
MAT	152	Statistical Methods I	3	2	0	4
MAT	171	Precalculus Algebra	3	2	0	4
MAT	172	Precalculus Trigonometry	3	2	0	4
MUS	110	Music Appreciation	3	0	0	3
MUS	112	Introduction to Jazz	3	0	0	3
MUS	210	History of Rock Music	3	0	0	3
PED	110	Fit and Well for Life	1	2	0	2
PHI	215	Philosophical Issues	3	0	0	3
PHI	240	Introduction to Ethics	3	0	0	3
PHY	110	Conceptual Physics	3	0	0	3
PHY	110A	Conceptual Physics Lab	0	2	0	1
POL	120	American Government	3	0	0	3
PSY	150	General Psychology	3	0	0	3
PSY	241	Developmental Psychology	3	0	0	3
PSY	281	Abnormal Psychology	3	0	0	3
REL	110	World Religions	3	0	0	3
REL	211	Introduction to Old Testament	3	0	0	3
REL	212	Introduction to New Testament	3	0	0	3
SOC	210	Introduction to Sociology	3	0	0	3

SOC	213	Sociology of the Family	3	0	0	3
SOC	220	Social Problems	3	0	0	3
SOC	240	Social Psychology	3	0	0	3
SPA	111	Elementary Spanish I	3	0	0	3
SPA	112	Elementary Spanish II	3	0	0	3
SPA	211	Intermediate Spanish I	3	0	0	3
SPA	212	Intermediate Spanish II	3	0	0	3

The courses listed on this program guide are the courses currently offered online through Richmond Community College. Additional courses satisfy many of the requirements necessary to complete the Associate in Science (A10400) degree at Richmond Community College. Please speak to your advisor if you have taken courses at another college or university. The North Carolina Comprehensive Articulation Agreement is a statewide agreement governing transfer credits from North Carolina community colleges to North Carolina public universities and participating private universities. RichmondCC cannot guarantee the transfer of courses to out-of-state universities.