

College Transfer Associate in Science (A.S.) Degree

The Associate in Science (AS) degree is designed for students who plan to transfer to 4-year colleges and universities with in majors Biology, Chemistry, Physics, Medicine, and Engineering. The degree transfers as a block to North Carolina public universities and other institutions which participate in the Comprehensive Articulation Agreement (CAA). Electives should be selected based on the intended major. For specific requirements, consult a Transfer Advisor or the catalog of the four-year school to which transfer is intended. Electives must be chosen from transferrable coursework.

College Transfer Associate in Science Degree

- Associate in Science - Biological Sciences Pathway (A10400B) (p. 1)
- Associate in Science - Computer Science and Mathematics Pathway (A10400C) (p. 2)
- Associate in Science - Physical Science Pathway (A10400P) (p. 3)

Associate in Science - Biological Sciences Pathway (A10400B)

English Composition

Take six credit hours of the following: 6.0

ENG 111	Writing and Inquiry
ENG 112	Writing and Research in the Disciplines

Humanities/Fine Arts

Take three credit hours of the following: 3.0

COM 231	Public Speaking
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Take three credit hours of the following: 3.0

ENG 231	American Literature I
ENG 232	American Literature II
ENG 241	British Literature I
ENG 242	British Literature II
ART 111	Art Appreciation
ART 114	Art History Survey I
ART 115	Art History Survey II
MUS 110	Music Appreciation
MUS 112	Introduction to Jazz
PHI 215	Philosophical Issues
PHI 240	Introduction to Ethics

Social/Behavioral Sciences Core

Take three credit hours of the following: 3.0

HIS 111	World Civilizations I
HIS 112	World Civilizations II
HIS 131	American History I
HIS 132	American History II

Take three credit hours of the following: 3.0

ECO 251	Principles of Microeconomics
ECO 252	Principles of Macroeconomics
POL 120	American Government
PSY 150	General Psychology
SOC 210	Introduction to Sociology

Behavioral/Social Science Elective:

Take three credit hours of the following: 3.0

ANT 210	General Anthropology
ANT 220	Cultural Anthropology
ANT 221	Comparative Cultures
ECO 151	Survey of Economics
ECO 251	Principles of Microeconomics
ECO 252	Principles of Macroeconomics
GEO 111	World Regional Geography
HIS 111	World Civilizations I
HIS 112	World Civilizations II
HIS 131	American History I
HIS 132	American History II
POL 110	Introduction to Political Science
POL 120	American Government
POL 210	Comparative Government
POL 220	International Relations
PSY 150	General Psychology
PSY 237	Social Psychology
PSY 241	Developmental Psychology
PSY 281	Abnormal Psychology
SOC 210	Introduction to Sociology
SOC 213	Sociology of the Family
SOC 220	Social Problems
SOC 225	Social Diversity (Math Core)

Mathematics Core

Take eight credit hours of the following: 8.0

MAT 171	Precalculus Algebra
MAT 172	Precalculus Trigonometry
MAT 271	Calculus I
MAT 272	Calculus II

Natural Sciences Core

Take eight credit hours of the following BIO courses: 8.0

BIO 111	General Biology I
& BIO 112	and General Biology II

Take eight credit hours of the following CHM courses: 8.0

CHM 151	General Chemistry I
& CHM 152	and General Chemistry II

Other Required Course:

ACA 122 College Transfer Success 1.0

Humanities/Fine Arts Elective:

Take three credit hours of the following: 3.0

ART 111	Art Appreciation
ART 114	Art History Survey I
ART 115	Art History Survey II
ART 116	Survey of American Art
ART 117	Non-Western Art History

ASL 111	Elementary ASL I
DAN 110	Dance Appreciation
DRA 111	Theatre Appreciation
DRA 112	Literature of the Theatre
DRA 122	Oral Interpretation
ENG 231	American Literature I
ENG 232	American Literature II
ENG 241	British Literature I
ENG 242	British Literature II
ENG 251	Western World Literature I
ENG 252	Western World Literature II
FRE 111	Elementary French I
GER 111	Elementary German I
HUM 115	Critical Thinking
HUM 120	Cultural Studies
HUM 130	Myth in Human Culture
HUM 211	Humanities I
HUM 212	Humanities II
MUS 110	Music Appreciation
MUS 112	Introduction to Jazz
PHI 215	Philosophical Issues
PHI 220	Western Philosophy I
PHI 240	Introduction to Ethics
REL 110	World Religions
REL 111	Eastern Religions
REL 211	Introduction to Old Testament
REL 212	Introduction to New Testament
SPA 111	Elementary Spanish I

Mathematics/Sciences Electives:

Take eight credit hours of the following: 8.0

MAT 152	Statistical Methods I
MAT 263	Brief Calculus
MAT 271	Calculus I
MAT 272	Calculus II
MAT 273	Calculus III
BIO 168	Anatomy and Physiology I
BIO 169	Anatomy and Physiology II
CHM 251	Organic Chemistry I
CHM 252	Organic Chemistry II

Behavioral/Social Sciences Elective:

Take three credit hours of the following: 3.0

ANT 210	General Anthropology
ANT 220	Cultural Anthropology
ANT 221	Comparative Cultures
ECO 151	Survey of Economics
ECO 251	Principles of Microeconomics
ECO 252	Principles of Macroeconomics
GEO 111	World Regional Geography
HIS 111	World Civilizations I
HIS 112	World Civilizations II
HIS 131	American History I
HIS 132	American History II

POL 110	Introduction to Political Science
POL 120	American Government
POL 210	Comparative Government
POL 220	International Relations
PSY 150	General Psychology
PSY 237	Social Psychology
PSY 241	Developmental Psychology
PSY 281	Abnormal Psychology
SOC 210	Introduction to Sociology
SOC 213	Sociology of the Family
SOC 220	Social Problems
SOC 225	Social Diversity

Students in this program may opt to complete ACA 111, ACA 120, or WBL 111 as their 61st credit.

Total Credits 60

Associate in Science - Computer Science and Mathematics Pathway (A10400C)

***Note: Prior to registering for ASL 112, ASL 211, or ASL 212, students who have taken an ASL course at another college or university and/or who have had two or more consecutive semesters lapse since taking ASL must take a departmental ASL placement test to ensure proper placement.

Program Requirements

General Education Requirements

English Composition	
Take six credit hours of the following: 6.0	
ENG 111	Writing and Inquiry
ENG 112	Writing and Research in the Disciplines
Humanities/Fine Arts:	
Take three credit hours of the following: 3.0	
ENG 231	American Literature I
ENG 232	American Literature II
ENG 241	British Literature I
ENG 242	British Literature II
ART 111	Art Appreciation
ART 114	Art History Survey I
ART 115	Art History Survey II
MUS 110	Music Appreciation
MUS 112	Introduction to Jazz
PHI 215	Philosophical Issues
PHI 240	Introduction to Ethics
Take three credit hours of the following: 3.0	
COM 231	Public Speaking
Social/Behavioral Sciences:	
Take three credit hours of the following: 3.0	
HIS 111	World Civilizations I
HIS 112	World Civilizations II
HIS 131	American History I
HIS 132	American History II
Take three credit hours of the following: 3.0	
ECO 251	Principles of Microeconomics

ECO 252	Principles of Macroeconomics
POL 120	American Government
PSY 150	General Psychology
SOC 210	Introduction to Sociology

Take three credit hours of the following: 3.0

ANT 210	General Anthropology
ANT 220	Cultural Anthropology
ANT 221	Comparative Cultures
ECO 151	Survey of Economics
ECO 251	Principles of Microeconomics
ECO 252	Principles of Macroeconomics
GEO 111	World Regional Geography
HIS 111	World Civilizations I
HIS 112	World Civilizations II
HIS 131	American History I
HIS 132	American History II
POL 110	Introduction to Political Science
POL 120	American Government
POL 210	Comparative Government
POL 220	International Relations
PSY 150	General Psychology
PSY 237	Social Psychology
PSY 241	Developmental Psychology
PSY 281	Abnormal Psychology
SOC 210	Introduction to Sociology
SOC 213	Sociology of the Family
SOC 220	Social Problems
SOC 225	Social Diversity

Mathematics Core:

Take eight credit hours of the following: 8.0

MAT 171	Precalculus Algebra
MAT 172	Precalculus Trigonometry
MAT 271	Calculus I
MAT 272	Calculus II

Natural Sciences:

Must complete two 2-course lab science sequences. Choose 2 of the 16.0 following groups from two different disciplines:

CHM 151 & CHM 152	General Chemistry I and General Chemistry II
PHY 151 & PHY 152	College Physics I and College Physics II
PHY 251 & PHY 252	General Physics I and General Physics II
BIO 111 & BIO 112	General Biology I and General Biology II

Other Required Hours:

ACA 122	College Transfer Success	1.0
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Humanities/Fine Arts:

Take three credit hours of the following: 3.0

ART 111	Art Appreciation
ART 114	Art History Survey I
ART 115	Art History Survey II
ART 116	Survey of American Art

ART 117	Non-Western Art History
ASL 111	Elementary ASL I
DAN 110	Dance Appreciation
DRA 111	Theatre Appreciation
DRA 112	Literature of the Theatre
DRA 122	Oral Interpretation
ENG 231	American Literature I
ENG 232	American Literature II
ENG 241	British Literature I
ENG 242	British Literature II
ENG 251	Western World Literature I
ENG 252	Western World Literature II
FRE 111	Elementary French I
GER 111	Elementary German I
HUM 120	Cultural Studies
HUM 130	Myth in Human Culture
HUM 211	Humanities I
HUM 212	Humanities II
MUS 110	Music Appreciation
MUS 112	Introduction to Jazz
PHI 215	Philosophical Issues
PHI 220	Western Philosophy I
PHI 240	Introduction to Ethics
REL 110	World Religions
REL 111	Eastern Religions
REL 211	Introduction to Old Testament
REL 212	Introduction to New Testament
SPA 111	Elementary Spanish I

Information Technology/Mathematics:

Take a minimum of eleven credit hours from the following: 11.0

CIS 115	Introduction to Programming and Logic
CSC 120	Computing Fundamentals I
CSC 134	C++ Programming
CSC 151	JAVA Programming
MAT 152	Statistical Methods I
MAT 263	Brief Calculus
MAT 271	Calculus I
MAT 272	Calculus II
MAT 273	Calculus III
MAT 280	Linear Algebra
MAT 285	Differential Equations

Students may opt to complete ACA 111, ACA 120, or WBL 111 as the 61st credit of this program.

Total Credits 60

Associate in Science - Physical Science Pathway (A10400P)

General Education Requirements

English Composition

Take six credit hours of the following: 6.0

ENG 111	Writing and Inquiry
ENG 112	Writing and Research in the Disciplines

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Communications

Take three credit hours of the following: 3.0
 COM 231 Public Speaking

Humanities/Fine Arts

Select three credits from the following: 3.0

- ART 111 Art Appreciation
- ART 114 Art History Survey I
- ART 115 Art History Survey II
- ENG 231 American Literature I
- ENG 232 American Literature II
- ENG 241 British Literature I
- ENG 242 British Literature II
- MUS 110 Music Appreciation
- MUS 112 Introduction to Jazz
- PHI 215 Philosophical Issues
- PHI 240 Introduction to Ethics

Behavioral/Social Sciences

Take three credit hours of the following: 3.0

- HIS 111 World Civilizations I
- HIS 112 World Civilizations II
- HIS 131 American History I
- HIS 132 American History II

Take three credit hours of the following: 3.0

- ECO 251 Principles of Microeconomics
- ECO 252 Principles of Macroeconomics
- POL 120 American Government
- PSY 150 General Psychology
- SOC 210 Introduction to Sociology

Mathematics Core

Take eight credit hours of the following: 8.0

- MAT 171 Precalculus Algebra
- MAT 172 Precalculus Trigonometry
- MAT 271 Calculus I
- MAT 272 Calculus II

Sciences Core

Take eight credit hours of the following: 8.0

- PHY 151 College Physics I & PHY 152 and College Physics II
- PHY 251 General Physics I & PHY 252 and General Physics II

Additional General Education Hours

Behavioral/Social Sciences 3.0

- ANT 210 General Anthropology
- ANT 220 Cultural Anthropology
- ANT 221 Comparative Cultures
- ECO 151 Survey of Economics
- ECO 251 Principles of Microeconomics
- ECO 252 Principles of Macroeconomics
- GEO 111 World Regional Geography
- HIS 111 World Civilizations I
- HIS 112 World Civilizations II
- HIS 131 American History I

- HIS 132 American History II
- POL 110 Introduction to Political Science
- POL 120 American Government
- POL 210 Comparative Government
- POL 220 International Relations
- PSY 150 General Psychology
- PSY 237 Social Psychology
- PSY 241 Developmental Psychology
- PSY 281 Abnormal Psychology
- SOC 210 Introduction to Sociology
- SOC 213 Sociology of the Family
- SOC 220 Social Problems
- SOC 225 Social Diversity

Physical Sciences

Take eight credit hours of the following: 8.0

- CHM 151 General Chemistry I & CHM 152 and General Chemistry II

Other Required Hours:

Take one credit hour of the following: 1.0

- ACA 122 College Transfer Success

Mathematics/Sciences Electives

Take eight credit hours of the following: 8.0

- AST 151 General Astronomy I
- BIO 110 Principles of Biology
- BIO 168 Anatomy and Physiology I
- BIO 168 Anatomy and Physiology I
- BIO 169 Anatomy and Physiology II
- CHM 251 Organic Chemistry I
- CHM 252 Organic Chemistry II
- GEL 111 Geology
- GEL 113 Historical Geology
- MAT 152 Statistical Methods I
- MAT 263 Brief Calculus
- MAT 271 Calculus I
- MAT 272 Calculus II
- MAT 273 Calculus III

Humanities/Fine Arts Elective

Take three credit hours of the following: 3.0

- ART 111 Art Appreciation
- ART 114 Art History Survey I
- ART 115 Art History Survey II
- ART 116 Survey of American Art
- ART 117 Non-Western Art History
- ASL 111 Elementary ASL I
- DAN 110 Dance Appreciation
- DRA 111 Theatre Appreciation
- DRA 112 Literature of the Theatre
- DRA 122 Oral Interpretation
- DRA 211 Theatre History I
- DRA 212 Theatre History II
- ENG 231 American Literature I
- ENG 232 American Literature II

ENG 241	British Literature I
ENG 242	British Literature II
ENG 251	Western World Literature I
ENG 252	Western World Literature II
FRE 111	Elementary French I
GER 111	Elementary German I
HUM 115	Critical Thinking
HUM 120	Cultural Studies
HUM 130	Myth in Human Culture
HUM 211	Humanities I
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MUS 110	Music Appreciation
MUS 112	Introduction to Jazz
PHI 215	Philosophical Issues
PHI 220	Western Philosophy I
PHI 240	Introduction to Ethics
REL 110	World Religions
REL 111	Eastern Religions
REL 211	Introduction to Old Testament
REL 212	Introduction to New Testament
SPA 111	Elementary Spanish I
Behavioral/Social Sciences Elective	
Take three credit hours of the following:	3.0
ANT 210	General Anthropology
ANT 220	Cultural Anthropology
ANT 221	Comparative Cultures
ECO 151	Survey of Economics
ECO 251	Principles of Microeconomics
ECO 252	Principles of Macroeconomics
GEO 111	World Regional Geography
HIS 111	World Civilizations I
HIS 112	World Civilizations II
HIS 131	American History I
HIS 132	American History II
POL 110	Introduction to Political Science
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Students in this program may opt to complete ACA 111, ACA 120, or WBL 111 as their 61st credit.

Total Credits 60