

# ASSOCIATE IN SCIENCE

## Program of Study Checklist

In order to complete the Associate in Science degree at Alamance Community College, students must earn 60 hours of college credit in the categories listed in the table. All students must complete at least 34 hours from the Universal General Education Transfer Component list of courses. As part of their degree, students are required to complete an academic transitions course\* and 32 credit hours of math, science or computer courses in the categories listed in the table.

*\*The academic transitions course, ACA 122, should be completed in the first semester.*

Universal General Education Transfer Component (UGETC)	Credits	Semester Completed
<b>ENGLISH COMPOSITION (6 semester hours required)</b>		
ENG 111 Writing and Inquiry	3	
ENG 112 Writing/Research in the Disciplines	3	
<b>HUMANITIES/FINE ARTS (6 semester hours from two different disciplines required)</b>		
<b>Communications</b>		
COM 120 Interpersonal Communication or COM 231 Public Speaking	3	
<b>Humanities/Fine Arts</b>		
ART 111 Art Appreciation	3	
ART 114 Art History I	3	
ART 115 Art History II	3	
DRA 111 Theater Appreciation	3	
ENG 231 American Literature I	3	
ENG 232 American Literature II	3	
ENG 241 British Literature I	3	
ENG 242 British Literature II	3	
MUS 110 Music Appreciation	3	
MUS 112 Introduction to Jazz	3	
PHI 215 Philosophical Issues	3	
PHI 240 Introduction to Ethics	3	
<b>SOCIAL/BEHAVIORAL SCIENCES (6 semester hours from two different disciplines required)</b>		
ECO 251 Prin of Microeconomics	3	
ECO 252 Prin of Macroeconomics	3	
HIS 111 World Civilizations I	3	
HIS 112 World Civilizations II	3	
HIS 131 American History I	3	
HIS 132 American History II	3	
POL 120 American Government	3	
PSY 150 General Psychology	3	
SOC 210 Introduction to Sociology	3	

**This list is comprehensive and every effort has been made to ensure accuracy. Meet with your advisor to plan your program of study.**

<b>NATURAL SCIENCES (8 semester hours of sequenced courses required)</b>		
BIO 111 General Biology I BIO 112 General Biology II	8	
CHM 151 General Chemistry I CHM 152 General Chemistry II	8	
PHY 151 College Physics I PHY 152 College Physics II	8	
PHY 251 General Physics I PHY 252 General Physics II	8	
<b>MATHEMATICS (8 semesters hours required)</b>		
MAT 171 Pre-calculus Algebra	4	
MAT 172 Precalculus Trigonometry	4	
MAT 263 Brief Calculus	4	
MAT 271 Calculus I	4	
MAT 272 Calculus II	4	
<b>TOTAL UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT</b>	<b>34</b>	

<b>ADDITIONAL GENERAL EDUCATION HOURS: Take additional hours from the UGETC list or from the following General Education courses. At least 8 hours must be science, math or computer courses.</b>	<b>Credits</b>	<b>Semester Completed</b>
<b>GENERAL EDUCATION: SCIENCE/MATH REQUIREMENT (8 hours) Choose courses from the UGETC list or from the following courses.</b>		
BIO 140/140A Environmental Bio/Lab	4	
GEL 111 Introductory Geology	4	
PHY 110/110A Conceptual Physics and Lab	4	
MAT 152 Statistical Methods I	4	
MAT 272 Calculus II	4	
MAT 273 Calculus III	4	
<b>ADDITIONAL GENERAL EDUCATION HOURS (3 hours) Choose a course from the UGETC list or from the following courses.</b>		
<b>COMPUTER SCIENCES</b>		
CIS 110 Introduction to Computers	3	
CIS 115 Introduction to Programming and Logic	3	
<b>ENGLISH</b>		
ENG 113 Literature-Based Research	3	
ENG 114 Professional Research and Reporting	3	
<b>HUMANITIES</b>		
COM 110 Introduction to Communication	3	
HUM 115 Critical Thinking	3	
HUM 122 Southern Culture	3	
HUM 130 Myth in Culture	3	
HUM 150 American Women's Studies	3	
HUM 160 Introduction to Film	3	
REL 110 World Religions	3	
REL 211 Old Testament	3	

REL 212 New Testament	3	
SPA 111 Elementary Spanish I	3	
SPA 112 Elementary Spanish II	3	
SPA 211 Intermediate Spanish I	3	
SPA 212 Intermediate Spanish II	3	
<b>SOCIAL AND BEHAVIORAL SCIENCES</b>		
PSY 241 Developmental Psychology	3	
PSY 281 Abnormal Psychology	3	
SOC 213 Sociology of the Family	3	
SOC 220 Social Problems	3	
SOC 225 Social Diversity	3	
<b>TOTAL ADDITIONAL GENERAL EDUCATION HOURS REQUIRED</b>		
	<b>11</b>	

<b>ADDITIONAL ELECTIVES (14 hours required): Choose any of the General Education courses listed previously or elective courses from this list.</b>	<b>Credits</b>	<b>Semester Completed</b>
BIO 155 Nutrition	3	
BIO 163 Basic Anatomy & Phys	5	
BIO 168 Anatomy & Phys I	4	
BIO 169 Anatomy & Phys II	4	
BIO 250 Genetics	4	
BIO 271 Pathophysiology	3	
BIO 275 Microbiology	4	
BIO 280 Biotechnology	3	
COM 251 Debate I	3	
CSC 134 C++ Programming	3	
CSC 151 JAVA Programming	3	
CSC 251 Advanced JAVA Programming	3	
CTS 115 Info Sys Business	3	
DFT 170 Engineering Graphics	3	
EGR 150 Introduction to Engineering	2	
ENG 273 African American Literature	3	
GIS 111 Intro to Geographic Information Systems	3	
HEA 110 Personal Health and Wellness	3	
HIS 163 The World Since 1945	3	
HIS 221 African American History	3	
HIS 236 North Carolina History	3	
HUM 211 Humanities I	3	
HUM 212 Humanities II	3	
HUM 230 Leadership Development	3	
JOU 110 Intro to Journalism	3	
JOU 216 Writing for Mass Media	3	
JOU 217 Feature/Editorial Writing	3	

