

College Transfer Programs

A 10 40 0 Associate in Science

CONCENTRATION OVERVIEW

The Associate in Science Degree is designed to meet the two-year general college requirement of four-year colleges and universities. The curriculum has a heavy concentration in mathematics and science areas to allow College of The Albemarle students, after two years of study, to transfer with junior-level status. This curriculum is suited to students who want to pursue a four-year degree in areas of study such as computer science, engineering, mathematics, the sciences or professional programs that require strong mathematics and science backgrounds.

Upon completion of this concentration, graduates will be able to analyze and solve quantitative problems, reason logically from hypothesis to conclusion, apply mathematics techniques in scientific problem solving, and use laboratory technology, equipment, and techniques critically and safely to investigate scientific problems using proper scientific methods.

Student Learning Outcomes – Upon completion of the program, students will:

1. Prepare a deliverable designed to increase knowledge, foster understanding, or promote change in audiences' attitudes, values, beliefs, or behavior.
2. Apply appropriate strategies to identify materials, evaluate information, and reference relevant discipline materials to effectively address a topic.
3. Use mathematical skills to logically analyze and interpret mathematics in context.
4. Develop meaningful questions, gather and analyze evidence, and create evidence-based conclusions or solutions.

Graduation Requirement: At least 60 semester hours must be completed with at least a 2.0 ('C') grade point average on a 4.0 scale. Note: Courses with a grade of D will not transfer under the Comprehensive Articulation Agreement.

Partnership: College of The Albemarle has articulation agreements with certain universities for students transferring into specific programs of study. Students can complete the first two years of that specific baccalaureate degree at College of The Albemarle. Students should check with their advisor and the COA website for more information. www.albemarle.edu/student-resources/transfer-from-coa/

COA students who earn an Associate of Science degree and follow the designated degree plans can transition seamlessly into the Bachelor of Science in Biology and Biblical Studies degree or the Bachelor of Science in Science Education degree at Mid-Atlantic Christian University.

*This program offers a [Career and College Promise pathway \(CCP\) P1042C](#). Courses within the pathway are highlighted in yellow.



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COURSE NUMBER	COURSE TITLE	SEMESTER	CO-REQUISITES	PRE-REQUISITES	CREDITS
STUDENT SUCCESS					1
ACA 122	Transfer & Career Success			None	1
COMPOSITION					6
ENG 111	Writing & Inquiry			ENG 025	3
ENG 112	Writing/Research in the Disciplines			ENG 111	3
HUMANITIES/FINE ARTS/COMMUNICATIONS					6
Select 2 courses from at least two different disciplines:					
ART 111 (none), ART 114 (ENG 025), ART 115 (ENG 025), COM 120 (none), COM 231 (ENG 111), DRA 111 (none), ENG 231 (ENG 112), ENG 232 (ENG 112), ENG 241 (ENG 112), ENG 242 (ENG 112), MUS 110 (none), MUS 112 (none), or PHI 240 (ENG 111).					
				Varies – pre-requisites in parentheses	3
					3
SOCIAL/BEHAVIORAL SCIENCES					6
Select 2 courses from different disciplines:					
ECO 251 (ENG 025 and MAT 025), ECO 252 (ENG 025 and MAT 025), HIS 111 (ENG 025), HIS 112 (ENG 025), HIS 131 (ENG 025), HIS 132 (ENG 025), POL 120 (ENG 025), PSY 150 (ENG 025), or SOC 210 (ENG 025).					
				Varies – pre-requisites in parentheses	3
				Varies – pre-requisites in parentheses	3
MATHEMATICS					8-9
Select 2 courses from:					
MAT 171 (MAT 035 or MAT 110 or MAT 143 or MAT 152 with a C or higher), MAT 172 (MAT 171 with a grade of C or higher), MAT 175 (MAT 035 or MAT 110 or MAT 143 or MAT 152 with a C or higher), MAT 263 (MAT 171 with a grade of C or higher), MAT 271 (MAT 172 with a grade of C or higher), or MAT 272 (MAT 271 with a grade of C or higher). Note: Students cannot receive credit for both MAT 263 and MAT 271. Students cannot receive credit for MAT 175 if they have credit for MAT 171-172.					
			Varies	Varies – pre-requisites in parentheses	4-5
			Varies	Varies – pre-requisites in parentheses	4
NATURAL SCIENCES					8
Select a two-course sequence from:					
BIO 111-112 (ENG 025 and MAT 025), CHM 151-152 (ENG 025 and MAT 025, and either CHM 090 or one unit of HS Chemistry), PHY 151-152 (MAT 171 or MAT 271), or PHY 251-252 (MAT 271).					
			Varies	Varies – pre-requisites in parentheses	4
			Varies	Varies – pre-requisites in parentheses	4

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COURSE NUMBER	COURSE TITLE	SEMESTER	CO-REQUISITES	PRE-REQUISITES	CREDITS
OTHER GENERAL EDUCATION HOURS					11
Select 11 additional credit hours from the College of The Albemarle (COA) list of Comprehensive Articulation Agreement (CAA) courses, coded either as Universal General Education Transfer Course (UGETC) or as General Education (GEN ED).					
				Varies	Varies
				Varies	Varies
				Varies	Varies
				Varies	Varies
ADDITIONAL COURSEWORK					14
Select 14 additional credit hours from the College of The Albemarle list of Comprehensive Articulation Agreement (CAA) courses.					
				Varies	Varies
				Varies	Varies
				Varies	Varies
				Varies	Varies
				Varies	Varies
TOTAL SEMESTER HOURS REQUIRED FOR ASSOCIATE DEGREE					60-61*

* The total number of elective hours needed is based upon course choices made in Mathematics.
A student must have 60-61 credit hours to complete this degree.

A 10 40 0 Associate in Science Suggested Sequence of Courses

First Year Fall Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
ACA 122 Transfer & Career Success	Pre-Requisites: None	0	2	0	2	1
ENG 111 Writing and Inquiry	Pre-Requisites: ENG 025	3	0	0	3	3
Mathematics	Pre-Requisites: Varies	3-4	2	0	5-6	4-5
Natural Science	Pre-Requisites: Varies	3	2-3	0	5-6	4
Social/Behavioral Science	Pre-Requisites: Varies	3	0	0	3	3
TOTAL SEMESTER HOURS		12-13	6-7	0	18-19	15-16
First Year Spring Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
ENG 112 Writing/Research in Disciplines	Pre-Requisites: ENG 111	3	0	0	3	3
Mathematics	Pre-Requisites: Varies	3	2	0	5	4
Natural Science	Pre-Requisites: Varies	3	2-3	0	5-6	4
Social/Behavioral Science	Pre-Requisites: Varies	3	0	0	3	3
Humanities/Fine Arts/Communications	Pre-Requisites: Varies	3	0	0	3	3
TOTAL SEMESTER HOURS		15	4-5	0	19-20	17
Second Year Fall Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
Humanities/Fine Arts/Communications	Pre-Requisites: Varies	3	0	0	3	3
General Education Electives	Pre-Requisites: None	Varies	Varies	0	Varies	11
TOTAL SEMESTER HOURS		Varies	Varies	0	Varies	14
Second Year Spring Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
(CAA) Electives	Pre-Requisites: Varies	Varies	Varies	0	Varies	14
TOTAL SEMESTER HOURS		Varies	Varies	0	Varies	14
TOTAL DEGREE HOURS REQUIRED FOR ASSOCIATE DEGREE						60-61*

*Number of hours of CAA and general education elective coursework needed is based upon course choices made in the first year mathematics course and in other general education hours. Courses should be chosen based upon requirements for student's intended major at the receiving four-year institution. A student must have 60-61 credit hours to complete the degree.