

AREA: Science

DEGREE: Associate of Arts and Sciences Degree

LENGTH:

Four semesters (two-year) program

PURPOSE:

With the tremendous emphasis on scientific discoveries and technological developments in today's society, great demand exists for scientists and scientifically-oriented persons in business, government, industry, and the professions. The associate of arts and sciences degree program in science is designed for persons interested in preprofessional scientific programs who plan to transfer to a four-year college or university to complete a baccalaureate or higher degree program with a major in one of the following fields: agriculture, astronomy, biology, biochemistry, biotechnology, botany, chemistry, computer science, dentistry, engineering, entomology, environmental science, forestry, genetics, geology, home economics, horticulture, marine biology, mathematics, meteorology, medicine, occupational therapy, nuclear science, nursing, pre-pharmacy, physical therapy, physics, respiratory therapy, science education, veterinary medicine, wildlife biology or zoology.

TRANSFER GUIDELINES:

The associate of arts and sciences degrees (AA&S) offered by LFCC provide freshman and sophomore level course work toward the completion of a baccalaureate degree. The AA&S degree programs require students to take essentially the same courses as required by their university/four-year college counterparts in the areas of English, health/physical education, humanities, mathematics, science and social science.

To help facilitate the transfer process each state-supported college and most private colleges in Virginia produce a Virginia Community College Transfer Guide. These transfer guides provide specific information about the transferability of courses and/or programs to their respective institutions. Transfer guides can be obtained directly from the college of interest or can be referenced in the Office of Student Success on both the Fauquier and Middletown Campuses. Students may also download many Virginia transfer guides online at the following address: <http://www.myfuture.vccs.edu/transfer/>.

Students should begin preparing for transfer as early as possible. Steps in this process include: making a career decision, identifying colleges which offer the intended programs of study, examining available transfer guides and college catalogs, talking with transfer representatives, identifying program prerequisites, researching the academic competitiveness of the institutions and program under consideration, attending open house events offered by the colleges and exploring financial aid and housing.

LFCC offers many services and programs to assist the transfer student. Students are encouraged to seek the assistance of their faculty advisor or counselor to gain additional information to plan a successful transfer experience.

Course#	Title	Credits
First Semester		
ENG 111	College Composition I	3
HIS 111	History of World Civilization I (or U.S. History I) ¹	3
MTH	Math 163, 173, 240 or 271	3-5
SDV 100	College Success Skills	1
	Science with laboratory ²	4
PED/HLT	Physical education (or health) ³	2
	Total	16-18
Second Semester		
ENG 112	College Composition II	3
HIS 112	History of World Civilization II (or HIS 122) ¹	3
MTH	Math 164, 174, 271 or 272	3
	Science with laboratory ²	4
	Approved elective ⁴	3
	Total	16
Third Semester		
CST 100/110	Principles of Public Speaking	3
ENG	Literature I	3
	Approved science, math or computer science elective ⁷	3-5
	Approved social science elective ⁵	3
	Science with laboratory ²	4
	Total	16-18
Fourth Semester		
	Approved science, math or computer science elective ⁷	3-5
	Science with laboratory ²	4
	Approved humanities elective ⁶	3
	Approved social science elective ⁵	3
	Total	13-15
	Program Total	61-67

¹ A full-year sequence of History of World Civilization or U.S. History is required. Consult transfer guides and an advisor for requirements of transfer institution.

² A full-year sequence of science with lab is required each year, one of which must be chemistry or physics.

³ Students are encouraged to determine, with advisor help, transferability of health/physical education courses to specific four-year institutions.

⁴ ITE 115 will satisfy this requirement. Students are required to 1) complete a computer course such as ITE 115, or equivalent or 2) demonstrate proficiency in using a Windows-based operating system along with word processing, spreadsheet, database management, presentation and communication software by passing an LFCC computer competency exam.

Students eligible for option two may select any appropriate elective. Please consult your academic advisor.

⁵ Students may select social science electives from the approved list located on page 47.

⁶ Students may select humanities electives from the approved list located on page 46.

⁷ May be BIO, CHM, CSC, GOL, MTH, NAS or PHY.