

## Associate of Science Degree

880

**AREA:** Science

**DEGREE:** Associate of Science 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 medical and health professions. The associate of science 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, nuclear science, pre-pharmacy, physics, science education, veterinary medicine, wildlife biology or zoology.

**TRANSFER GUIDELINES:** The associate of arts and sciences (AA&S) and associate of science (AS) degrees offered by LFCC are designed to provide freshman and sophomore level course work toward the completion of a bachelor's degree. The AA&S and AS 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, LFCC has created an online 'Transfer Guide' that provides detailed information such as tuition, GPA, application requirements, course equivalents, and other information that may be useful in the transfer process. The transfer guide can be found at [www.lfcc.edu/transfer](http://www.lfcc.edu/transfer). The Virginia Community College System also offers a Transfer Planning Tool on the Virginia Educational Wizard, which can be found at [www.vawizard.org](http://www.vawizard.org).

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 program of study, examining available transfer information and college catalogs, exploring Guaranteed Admissions and Transfer agreements, 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 opportunities.

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

Course #	Title	Credits
<b>First Semester</b>		
ENG 111	College Composition I	3
IT/CS	Computer Elective <sup>1</sup>	3
MTH	Mathematics Elective <sup>2</sup>	3
SDV 100/101	College Success Skills	1
	Science with Laboratory <sup>3</sup>	4
	<b>Total</b>	<b>14</b>
<b>Second Semester</b>		
ENG 112	College Composition II	3
HIS	History Elective <sup>4</sup>	3
MTH	Mathematics Elective <sup>2,4</sup>	3
	Science with Laboratory <sup>3</sup>	4
	Approved STEM Elective <sup>5</sup>	3
	<b>Total</b>	<b>16</b>
<b>Third Semester</b>		
ENG	Literature Elective <sup>4</sup>	3
	Social Science Elective <sup>4</sup>	3
PED/HLT	Physical Education or Health <sup>4</sup>	1
	Approved STEM Elective <sup>5</sup>	3
	Science with Laboratory <sup>3</sup>	4
	<b>Total</b>	<b>14</b>
<b>Fourth Semester</b>		
CST	Communication Elective <sup>4</sup>	3
	Social Science Elective <sup>4</sup>	3
	Science with Laboratory <sup>3</sup>	4
	Humanities/Fine Arts Elective <sup>4</sup>	3
	Approved Transfer Elective <sup>4</sup>	3
	<b>Total</b>	<b>16</b>
	<b>Program Total</b>	<b>60</b>

<sup>1</sup> Students may select from the following courses to fulfill the computer/information literacy requirement: CSC 110, 200, ITE 115, ITE 119.

<sup>2</sup> Student should check with the institution to which they will be transferring to determine the most appropriate math courses to take at LFCC. Must be MTH 163 or higher.

<sup>3</sup> A full-year sequence of science with lab is required each year, one of which must be chemistry or physics.

<sup>4</sup> See the list of electives on page 42.

<sup>5</sup> May be ADJ, AGR, BIO, CHM, CSC, EGR, ENV, GOL, MTH, NAS or PHY.