

Associate of Science Degree: Computer Science Specialization

Pending Board Approval

AREA: Science
Computer Science Specialization

DEGREE: Associate of Science Degree

LENGTH: Four semesters (two-year) program

PURPOSE: The associate of science degree program with a specialization in computer science is designed for students who plan to transfer to a four-year college or university to complete a baccalaureate or higher degree program in computer science, and pursue careers in fields such as computer software, applications and systems development and engineering

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. The Virginia Community College System also offers a Transfer Planning Tool on the Virginia Educational Wizard, which can be found at 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
First Semester		
ENG 111	College Composition I	3
MTH	Mathematics Elective ¹	3
CSC 200	Introduction to Computer Science	3
HIS	Approved History Elective ²	3
	Social Science Elective ²	3
	Total	15
Second Semester		
ENG 112	College Composition II	3
MTH	Mathematics Elective ¹	3
CSC 201	Computer Science I ³	4
SDV 100	College Success Skills	1
	Humanities/Fine Arts Elective ²	3
	Total	14
Third Semester		
CSC 202	Computer Science II	4
CST	Communication Elective ²	3
PED/HLT	Physical Education or Health ²	1
	Science with Laboratory ⁴	4
ENG	Literature Elective ²	3
	Total	15
Fourth Semester		
CSC 205	Computer Organization	3
	Science with Laboratory ⁴	4
	Approved STEM Electives ⁵	3
	Approved STEM Electives ⁵	3
	Social Science Elective ²	3
	Total	16
	Program Total	60

¹ Students will be required to take MTH 173 and MTH 174- Calculus with Analytical Geometry I and II.

² See the list of electives on page 41.

³ CSC 201 is a prerequisite for ITP 220.

⁴ A full-year sequence of science with lab is required, which must be chemistry or physics. Students are strongly encouraged to review transfer institution's requirements to make selection.

⁵ Depending on the transfer institution, student may take CHM 111, ITP 220, MTH 240, MTH 277, MTH 285, EGR 265, or ECO 202.