

Associate of Science Degree: Computer Science Specialization 880-04

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	3-5
CSC 200	Introduction to Computer Science or CSC 110	3
	Science Lab w/Lab Elective ³	4
SDV 100	College Success Skills ²	1
	Total	14-16
Second Semester		
ENG 112	College Composition II	3
MTH	Mathematics Elective ¹	3-5
CSC 205	Computer Organization	3
	Science w/ Lab Elective ³	4
PED/HLT	Physical Education <u>or</u> Health ³	1
	Total	14-16
Third Semester		
HIS	History Elective ⁵	3
	Social Science Elective ³	3
CSC 201	Computer Science I	4
CST	Communication Elective ⁴	3
ENG	Literature Elective ⁶	3
	Total	16
Fourth Semester		
CSC 202	Computer Science II	4
	Humanities/Fine Arts Elective ³	3
	Social Science Elective ³	3
	Approved STEM Elective ⁷	3
	Approved STEM Elective ⁷	3
	Total	16
	Program Total	60-64

¹MTH 173 and MTH 174 are both required courses.

²May substitute with SDV 101-Orientation to the IT Professions.

³See list of electives on pg. 42.

⁴CST 100 or CST 110 depending on transfer institution.

⁵HIS 101, HIS 111, HIS 121 depending on transfer institution.

⁶ENG 241 – Survey of American Literature I.

⁷Any CSC Elective, ECO 202, EGR 126, ITN 100, ITN 260, ITP 100, ITP 220, MTH 240, MTH 277, MTH 285, MTH 286 or MTH 291.

Other STEM electives may be approved by CS faculty.

NOTE: Program designed with a starting point of Readiness for ENG 111 and MTH 173.