Associate in Computer Science (A.C.S)

Computer Science – Advising Guide

The Associate in Computer Science Degree is a pre-professional curriculum designed to prepare students for transfer to a four-year college or university that offers a BS or BA degree in Computer Science. In contrast, various Associate in Applied Science degrees in Computer Science prepare students for immediate employment in more specialized, practical fields.

The required and elective Computer Science, Math, and Science course in this degree are typical of requirements for the first two years of a four-year program that follows guidelines established by the Association for Computing Machinery (ACM). These ACM-style degree programs provide the theoretical foundation and programming experience that forms the basis of academic Computer Science. Academic four-year Computer Science degrees address essential skills future software developers need for computer programming, network design, and database management.

Individual degree requirements vary at each four-year college or university. Students should check with the transfer school or speak to an advisor or counselor to ensure selection of the right classes for transfer credit. By design, the ACS degree electives are sufficiently flexible to accommodate a wide range of transfer options.

Semester 1		
Course	Credits	Action Steps
HIST 120, HIST 121, or POLS 136 (General Education Requirement: American Institutions)	3	• Meet with academic advisor to build a degree plan in starfish
^COMM 100 (General Education Requirement: Communications)	3	
^CSIS 123 (Program Requirement)	3	
^ENGL 101 (General Education Requirement: Communications)	3	• Complete Civics exam with 70% or higher
^MATH 180 (Program Requirement)	5	
Total Credits	17	
Semester 2		
^ENGL 102 or ^ENGL 215 (General Education Requirement: Communications)	3	• Research/contact transfer institutions
^MATH 150 or ^MATH 190 (Program Elective)	5	
^CSIS 222 or ^CSIS 223 (Program Requirement)	3	
PSYC 140, ^ECON 210, or ^ECON 211 (General Education Requirement: Social Sciences)	3	
HIST 133 or HIST 134 (General Education Requirement: Western Civilization)	3	
Total Credits	17	

Academic & Career PATHWAYS

Semester 3		
^CSIS 221 (Program Elective)	3	• Apply for admission at transfer institution • Apply for scholarships at transfer institution
^CSIS 271 (Program Elective)	3	
^MATH 115 Statistics (Program Elective)	3	
^PHYS 220, ^CHEM 111, or BIOL 101 (General Education Requirement: Science w/lab)	5	
Total Credits	**14**	
Semester 4		
^CSIS 250 (Program Elective)	3	• Apply for graduation
^MATH 210 (Program Elective)	5	
ARAB 101, ART 108, ART 150, CHIN 101, FREN 101, GERM 101, SPAN 101, MUSI 108, MUSI 160, THEA 106, SIGN 101, or ^SIGN 103 General Education Requirement: Humanities Appreciation)	3-5	
PHIL 200 (General Education Requirement: Humanities)	3	
Total Credits	**14-16**	
Credits Required	**62***	
*The A.C.S. degree has a minimum of 62 credit hours to graduate. When selecting a course from multiple options, please consider the number of credits for each course to ensure meeting the minimum requirements for graduation.		

This Pathway Map is an advising tool designed for full-time students on the A.C.S. degree and identifies the course taking recommendations for timely degree completion. Please be aware that all pathway maps can be modified to fit the individual needs of students. Course substitutions are completely acceptable and a list of all course options for the A.C.S. degree can be found at https://www.mcckc.edu/programs/acs/ All students are encouraged to meet with their academic advisor to develop an individualized completion plan that best meets their goals, interests, and objectives.

^Course requires a prerequisite or appropriate placement, see catalog for additional information.