



Program Map Computer Science

Degree: Associate of Science in Computer Science (AS)



Mathematics, Business, Engineering & Technology

Program Description: The Associate of Science degree in Computer Science provides students with the general education, mathematics, and science courses normally taken in the first two years of a computer science program at a four-year college or university while providing the flexibility for individual interests. The Computer Science degree is based on the 42-hour Core Curriculum, and represents the first two years of a four-year degree, which vary from university to university. Students transferring should always consult with an advisor or articulation officer from their receiving institution.

Use this Program MAP as an advising guide to choose courses with your advisor and track progress toward milestones and completion of degree.

SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS
Plans can be modified to fit the needs of part-time students by adding more semesters

Semester 1	CR	Advising Notes
COSC 1436 – Programming Fundamentals I	4	Area of Concentration
MATH 2413 – Calculus I	4	May select a different course from the Math section of the Core Curriculum Course List. Students should consult with an advisor to determine if it is necessary to take one or more mathematics courses (like MATH 1414, MATH 1316, or MATH 2412) before taking Calculus.
ENGL 1301 – English Composition I	3	May select a different course from the Communications section of the Core Curriculum Course List.
HIST 1301 – United States History I	3	May select a different course from the American History section of the Core Curriculum Course List.
	14	Program Semester Hours / Meet with your advisor
Semester 2		
COSC 1437 – Programming Fundamentals II	4	Area of Concentration
MATH 2305 – Discrete Mathematics	3	Required Elective
ENGL 1302 – English Composition II	3	May select a different course from the Communications section of the Core Curriculum Course List.
HIST 1302 – United States History II	3	May select a different course from the American History section of the Core Curriculum Course List.
Creative Arts Core	3	Select a course from the Creative Arts section of the Core Curriculum Course List.
	16	Program Semester Hours / Meet with your advisor

Semester 3		
Computer Science	4	Area of Concentration. Select from among the following computer science courses: COSC 2425 and COSC 2436
Life and Physical Science Core	4	Select from the Life and Physical Sciences section of the Core Curriculum Course List. The science courses should include at least two in one discipline, with at least 6 hours of science. Many transfer universities require 8 hours of sequential science from the same discipline, for example General Chemistry I and General Chemistry II. Students should talk with an advisor to determine the best course depending on transfer plan and degree goals. A good option is physics.
GOVT 2305 – Federal Government	3	Government Core Curriculum
SPCH 1315 – Public Speaking	3	May select a different course from the Component Area Option section of the Core Curriculum Course List
	14	Program Semester Hours / Meet with your advisor
Semester 4		
Life and Physical Science Core	4	Select from the Life and Physical Sciences section of the Core Curriculum Course List. The science courses should include at least two in one discipline, with at least 6 hours of science. Many transfer universities require 8 hours of sequential science from the same discipline, for example General Chemistry I and General Chemistry II. Students should talk with an advisor to determine the best course depending on transfer plan and degree goals. A good option is physics.
GOVT 2306 – Texas Government	3	Government Core Curriculum
General Elective	3	May select any general elective course or courses totaling 3 credit hours or greater. Suggestions include PHED 1164 and ENGR 1201, COSC 2425, COSC 2436, ENGR 1304, and ENGR 2304
PHIL 2306 – Introduction to Ethics	3	May select a different course from the Language, Philosophy and Culture section of the Core Curriculum Course List.
Social and Behavioral Sciences Core	3	Select a course from the Social and Behavioral Sciences section of the Core Curriculum Course List.
	16	Program Semester Hours
		ACHIEVEMENT: Completion of Associate of Science degree
Total Program Hours	60	

Transfer Information

This Computer Science degree provides a pathway to transfer to a four-year college or university where students can earn a baccalaureate degree. Students are strongly encouraged to select a transfer destination by the time they have completed 30 semester credit hours. Students should consult with their chosen transfer institution regarding recommended courses that will transfer and be applied to their baccalaureate degree program.

For more information on program transfer information to four-year institutions visit Blinn's transfer information site: <http://www.blinn.edu/degrees-and-certificates/earn-a-degree-and-transfer/prepare-for-transfer/information-sheets>