

Associate of Science Degree

The Associate of Science degree in Computer Science at Crafton Hills College is designed to meet the needs of students transferring to a four-year university who intend to major in Computer Science or a related field of study. Learn more about the [degree requirements here](#).

Program Learning Outcomes

A student receiving a degree in this field will be able to:

- 1) Apply knowledge of computer science and mathematics to design computing systems and to solve a variety of problems.
- 2) Analyze a problem and identify and define the computing requirements appropriate to its solution.
- 3) Design, implement, and evaluate software solutions that satisfy problem requirements.
- 4) Collaborate effectively in teams.
- 5) Communicate technical contents effectively in both written and spoken formats.

Semester 1 – Fall – 15 Units	Units
ENGL 101 Freshman Composition	4
*MATH 102 College Algebra	5
Social and Behavioral Science GE (Area B)	3
Humanities GE (Area C1)	3

Semester 2 – Spring – 16 Units	Units
*MATH 103 Plane Trigonometry	4
CSCI 110 Intro to Computer Science I (C++)	3
Diversity and Multiculturalism GE (Area F1)	3
Communication/Social Discourse GE (Area D2)	3
Degree Applicable Elective	3

Semester 3 – Fall – 15 Units	Units
MATH 250 Single Variable Calculus I	4
CSCI 120 Intro to Computer Science II (C++)	3
CSCI 240 Computer Organization and Assembly Language Programming	3
Health and Wellness GE (Area E)	2
Degree Applicable Elective	3

Semester 4 – Spring – 16 Units	Units
CSCI 230 Data Structures and Algorithms	3
CSCI 200 or MATH 200 Discrete Structures	4
Natural Science GE (Area A)	3
Arts GE (Area C2)	1
American Heritage GE (Area F2)	3

*Math courses depend on the Placement Process. Please see a counselor to develop your specific plan. [Schedule a counseling appointment here](#).

Catalog year: 2021-2022

Last Revised: 02/2022