Associate in Science for Transfer Degree

The Associate in Science-Transfer (AS-T) degree in Computer Science at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in a Computer Science 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
*MATH 102 College Algebra	5
ENGL 101 Freshman Composition	4
Oral Communication GE (IGETC 1C)	3
Social or Behavioral Science GE (IGETC 4)	3

Semester 2 – Spring – 17 Units	Units
MATH 103 Trigonometry	4
CSCI 110 Intro to Computer Science I (C++)	3
Arts GE (IGETC 3A)	3
Critical Thinking GE (IGETC 1B)	4
Biological Science GE (IGETC 5B)	3

Summer – 7 Units	Units
MATH 250 Single Variable Calculus I	4
HIST 100 or 101	3

Semester 3 – Fall – 17 Units	Units
MATH 251 Single Variable Calculus II	4
CSCI 120 Intro to Computer Science II (C++)	3
CSCI 240 Computer Organization and Assembly Language Programming	3
PHYSIC 250 College Physics I	4
Humanities GE (IGETC 3B)	3

Semester 4 – Spring – 14 Units	Units
CSCI 200/MATH 200 Discrete Structures	4
PHYSIC 251 College Physics II	4
POLIT 100 American Politics	3
Arts GE (IGETC 3A) or Humanities GE (IGETC 3B)	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