

COMPUTER SCIENCE, ASSOCIATE IN SCIENCE FOR TRANSFER

The Associate in Science in Computer Science for Transfer degree (AS-T in Computer Science) provides students with sufficient understanding of computer science concepts, skills, and applications to attain upper-division status in computer science at a California State University, majoring in computer science, software engineering, or game programming. Successful completion of the Associate in Science in Computer Science for Transfer degree (AS-T in Computer Science) guarantees the student acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree, in preparation to pursue a career in the field of computer science. Students must complete the Associate Degree for Transfer requirements to earn the AS-T degree.

Learning Outcomes

Upon successful completion of the program, students will be able to:

- Design, implement, test, and debug a program using structured and object-oriented design principles.
- Write programs that use data structures such as arrays, records, strings, linked lists, stacks, queues, trees, and hash tables.
- Write programs in assembly language.
- Use formal tools of symbolic logic to model real-life situations, including those arising in computing contexts.

Associate in Science for Transfer Degree Major Requirements

Code	Title	Units
Required Core		
CSIS 10A	Programming Methods I: Java	4
CSIS 10B	Programming Methods II: Java	4
CSIS 11	Computer Architecture and Organization	3
CSIS 12	Discrete Structures	3
MATH 20A	Calculus with Analytic Geometry I	4
MATH 20B	Calculus with Analytic Geometry II	4
PHYS 3A	Science and Engineering Physics I	4
PHYS 3B	Science and Engineering Physics II	4
TOTAL MAJOR UNITS		30
Additional Requirements		30
Complete IGETC pattern and electives, if needed, for a total of 60 transferable units.		
Total Units		60

Please refer to the graduation requirements section of the Catalog for information about degree and certificate requirements including Reading and Writing, Mathematics, Information Competency, and General Education requirements.