

COMPUTER SCIENCE, ASSOCIATE OF SCIENCE FOR TRANSFER

The Associate in Science in Computer Science for Transfer degree (for short, Computer Science AS-T) is intended for students who plan to complete a bachelor's degree in Computer Science or a similar major at a CSU campus. For a current list of what majors (and what options or areas of emphasis within that major) have been designated as "similar" to this degree at each CSU campus, please refer to California State University Associate Degree for Transfer website and seek guidance from a Ventura College counselor. Students completing this degree are guaranteed admission to the CSU system, although not necessarily to a particular CSU campus or major.

Students transferring to a CSU campus that accepts the Computer Science AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major at a particular campus). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn an Associate in Science in Computer Science for Transfer degree, students must meet the following requirements:

- Complete a minimum of 60 CSU-transferable semester units including both of the following:
 - The California General Education Transfer Curriculum (Cal-GETC) requirements.
 - The coursework required for the AS-T in Computer Science as listed in the Ventura College catalog.
- Obtain a grade of "C" or better or "P" in all courses required in the major. Even though a "pass-no-pass" is allowed (Title 5 §55062), it is highly recommended that students complete their major courses with a letter grade (A, B, or C).
- Obtain a minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some transfer institutions and majors may require a higher GPA. Please consult with a counselor for more information.
- Complete requirements in residency. For students in the Ventura County Community College District, a minimum of 12 semester units must be completed in residence within the college district.

PHYS V04 & V04L	Mechanics for Scientists and Engineers and Mechanics Laboratory for Scientists and Engineers	5
PHYS V05 & V05L	Electricity and Magnetism for Scientists and Engineers and Electricity and Magnetism Laboratory for Scientists and Engineers	4-5
or BIOL V03	Evolution, Ecology, and Organismal Biology	
or BIOL V04	Cell and Molecular Biology	
or CHEM V120A	General Chemistry I	
Required Core Units		31-32

Total Major Units		31-32

CalGETC General Education Pattern		
Required Major Units		31-32
CalGETC General Education Units		34
Double-Counted Units		(7-10)
Elective Units		1-5
Total Units for the A.S.-T		60

See a counselor or consult assist.org, especially if you plan to transfer to a UC campus or a college or university other than a CSU campus.

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

- Satisfy the requirements to successfully transfer to a CSU program for a degree in computer science or a related field.
- Demonstrate proficiencies of knowledge and skills in core Computer Science topics such as problem solving, software development, programming languages, artificial intelligence, operating systems, networking and communication, computer hardware and software architectures.
- Develop a command of critical thinking with respect to privacy, ethics, and security.
- Acknowledge the need and demonstrate their willingness to update their knowledge and become a life-long learner beyond the classroom.

Course ID	Title	Units/ Hours
Required Core Courses		
CS V11	Programming Fundamentals	3
CS V13	Object-Oriented Programming	3
CS V17/MATH V52	Discrete Structures	3
CS V19	Computer Architecture and Organization	3
MATH C2210	Calculus I: Early Transcendentals	5
MATH C2220	Calculus II: Early Transcendentals	5