Computer Science A.S. Degree - Cal-GETC

This program roadmap represents one possible pathway to complete the program. ***Please see a counselor*** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability. For counseling appointments call (916) 608-6510.

Total Units: 61

First Year

Semester 1

17 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISC 310 Introduction to Computer Information Science	3		F, S	
CISP 300 Algorithm Design/Problem Solving	3		F, S	
ENGL C1000 College Composition **or**	3		F, S	1A
ENGL C1000H Honors College Composition	3		F, S	1A
MATH 400 Calculus I	5	Precalculus	F, S	2
Arts	3		F, S	3A

Semester 2

16 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISP 360 Introduction to Structured Programming	4	CISP 300	F, S	
Humanities	3		F, S	3B
Biological Science	3		F, S	5B
HIST C1001 United States History to 1877 **or**	3		F, S	4

Notes

- See General Education requirements for: CSU or UC
- See ASSIST.ORG for the transfer requirements for the institution to which you plan to transfer.
- A transferable elective is defined as any class with a course number between 300 and 499. Electives may vary for the CSU and UC systems.
- U.S. History/American Ideals is a graduation requirement for all CSUs.
- Foreign Language may be required for CSU Sacramento IF student did not complete 3 years in high school. This requirement may vary at different colleges.
- Some English and Math courses have support courses (co-requisites). See your assessment results for more details.
- Students may earn credit for College Entrance Board Advanced Placement (AP) tests with scores of 3, 4, or 5. AP scores can be used to meet Folsom Lake College associate degree general education , CSU,UC, and other 4 year University requirements --Check with your counselor to determine whether these test

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
HIST C1002 United States History since 1865 **or**	3			4
HIST 331 Women in American History	3			4
Critical Thinking and Composition	3	Engwr C1000	F, S	1B

Second Year

Semester 3

15 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISP 400 Object Oriented Programming with C++ **or**	4	CISP 360	F, S	
CISP 401 Object Oriented Programming with Java	4	CISP 360	F	
Ethnic Studies	3		F, S	6
CISP 310 Computer Architecture and Organization **or**	4	CISP 360	F, S	
ENGR 303 Introduction to Logic Design	4		F, S	
Physical Science	3		F, S	5A
Science Lab[1]	1		F, S	5C

[1] Science Laboratory must correspond to either the Physical sciences or Biological Science lecture course. Related lecture courses must be completed prior to or concurrently with lab courses.

Semester 4

13 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISP 430 Data Structures	4	CISP 400	F, S	
CISP 440 Discrete Structures for Computer Science	3	CISP 360	F, S	

results will be accepted at the transfer institution of your choice.

Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the Zero Textbook Costs page of the college website.

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
POLS C1000 Introduction to Government: United States	3		F, S	4
Oral Communication	3		F, S	1C

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