Computer Science A.S. Degree

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   15 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISC 310 Introduction to Computer Information Science	3		F, S	III(b)
CISP 300 Algorithm Design/Problem Solving	3		F, S	
ENGWR 300 College Composition **or**	3		F, S	II(a)
ENGWR 480 Honors College Composition	3		F, S	II(a)
Physical Education Activity	1		F, S	III(a)
MATH 400 Calculus I	5	MATH 375 or MATH 372 & 373	F, S	II(b)

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	I
Natural Science	3		F, S	IV
American Institutions	3		F, S	V(a)
Degree Applicable Elective	3		F, S	

Second Year

Semester 3   14 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISP 400 Object Oriented Programming with C++ **or**	4	CISP 360	F, S	

Notes

- A degree applicable elective is defined as any class with a course number between 100 and 499.

- Some English and math courses have support courses (co-requisites). See your assessment results for more details.

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISP 401 Object Oriented Programming with Java	4	CISP 360	F	
CISP 440 Discrete Structures for Computer Science	3	CISP 360	F, S	
Ethnic/Multicultural Studies	3		F, S	V(b)
Degree Applicable Elective	4		F, S	

Semester 4

16 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISP 430 Data Structures	4	CISP 400	F, S	
CISP 310 Computer Architecture and Organization **or**	4	CISP 360	F, S	
ENGR 303 Introduction to Logic Design	4		F, S	
Social/Behavioral Science	3		F, S	V(b)
Degree Applicable Elective	5		F, S	