

Semester	Course	Title	Units	Institution	Requirement
FALL	CSS 1	Introduction to Computer Science & Programming Fundamentals	4	Hartnell	Standard Major
	ENG 1A	College Composition & Reading	3	Hartnell	A2 Written Communication
	MAT 3A	Analytic Geometry & Calculus I	4	Hartnell	B4 Mathematics & Quantitative Reasoning / Standard Major (MATH 150 @CSUMB)
	PHL 10	Ethics	3	Hartnell	C2 Humanities & Language
	CST 286	Physics of Computing	4	CSUMB	B1 Physical Science & B3 Laboratory Practices
WINTER	BIO 42	Human Biology	3	Hartnell	E Lifelong Learning & Self Development
SPRING	ENG 2	Critical Thinking & Writing	3	Hartnell	A3 Critical Thinking
	MUS 5	Ethnic Music in the U.S.	3	Hartnell	C1 Arts
	CSS 2A	Object Oriented Programming	4	Hartnell	Standard Major (CST 231 @CSUMB)
	MAT 7	Discrete Mathematics	4	Hartnell	Standard Major (MATH 170 @CSUMB)
	CST 205	Multimedia Design & Programming	4	CSUMB	Computer Science Major Elective
SUMMER	COM 1	Introduction to Public Speaking	3	Hartnell	A1 Oral Communication
	POL 1	American Political Institutions	3	Hartnell	US 2 & 3 (D Civics & Lower Division Service Learning)
FALL	ENG 1B	College Literature & Composition	3	Hartnell	C2 Humanities & Language
	CSS 2B	Data Structures & Algorithms	4	Hartnell	Standard Major (CST 238 @CSUMB)
	CSS 3	Computer Architecture & Assembly Language Programming	4	Hartnell	Standard Major (CST 237 @CSUMB)
	BIO 48/48L	Environmental Science / Environmental Science Lab	4	Hartnell	B2 Life Science & B3 Laboratory Practices
	MATH 270	Mathematics for Computing	4	CSUMB	Standard Major
WINTER	HIS 17B	United States History B (Civil War—Present)	3	Hartnell	US 1 (D US Histories)
SPRING	CST 300	Major ProSeminar	4	CSUMB	Graduation Writing Assessment Requirement / Standard Major
	CST 338	Software Design	4	CSUMB	Standard Major
	CST 336	Internet Programming	4	CSUMB	Software Engineering Concentration 1 Course
	CST 370	Design & Analysis of Algorithms	4	CSUMB	Standard Major
	CST 462S	Computer Science and Community	3	CSUMB	Upper Division GE D Integrated Social Science / Upper Division Service Learning / Ethnic Studies / Standard Major
SUMMER		<i>Left open for internship experience</i>			
FALL	CST 363	Introduction to Database Systems	4	CSUMB	Computer Science Major Elective
	CST 334	Operating Systems	4	CSUMB	Standard Major
	CST 329	Reasoning with Logic	3	CSUMB	Upper Division GE B Integrated Scientific Reasoning & Quantitative Reasoning
	CST 438	Software Engineering	4	CSUMB	Software Engineering Concentration 2 Course
	CST 497	Independent Study	4	CSUMB	<i>Optional Free Elective</i>
WINTER	ANT 1	Introduction to Biological Anthropology	3	Hartnell	D Social Science
SPRING	CST 499	Directed Group Capstone	4	CSUMB	Standard Major
	CST 311	Introduction to Computer Networks	4	CSUMB	Computer Science Major Elective
	CST 495	iOS Programming	4	CSUMB	Software Engineering Concentration 3 Course (Substitution for CST 325 or CST 383)
	JAPN or SPAN 350	World Culture & Language	3	CSUMB	Upper Division C Integrated Arts & Humanities / World Culture & Language
Catalog <a href="https://csumb.edu/catalog/undergraduate-programs">https://csumb.edu/catalog/undergraduate-programs</a>			123	The State of California requires a minimum of 120 semester units to be eligible for a baccalaureate degree. Students who complete general education and major requirements in fewer than 120 semester units are able to select additional courses as needed to meet the state requirement.	