Requirement Area	Course	Course Title	Prerequisites	Units
Requirement Area	Course	First Semester (FALL)	Frerequisites	Ullits
E	GS 101A	Foundations of Success I		
A1	COMM 100	Communication		
B2				
			One from the following:	
			Satisfactory score of 78 or higher on	
			Mathematics	
			Placement Exam, MATH	
			120 or MATH 125	
B4	MATH 130	Calculus I	(either course with grade C- or better).	
D1	IVIAITI 150	Calculus I	grade C- or better).	
Elective				
Licetive			Total:	1
		Second Semester (SPRING)		
E	GS 101B	Foundations of Success II		
A2	ENGL 102			
C1				
			Mathematics/QR	
			Placement Category I or II, or successful	
			completion of GE area	
LD Major	CS 101	Computer Science I	B4.	
-			MATH 130 with grade	
LD Major	MATH 131	Calculus II	C- or better.	
Elective				
		Third Course (Table)	Total:	1
F	I	Third Semester (FALL)		
E			MATH 130 with grade	
B1/B3	PHYS 135	Physics for Engineers I	C- or better.	
,		,	MATH 130 with grade	
LD Major	CS 211	Discrete Structures	C- or better.	:
			CS 101 with grade C- or	
LD Major	CS 201	Computer Science II	better.	
A3	PHIL 100	Workshop in Critical Thinking		:
			Total:	1
		Fourth Semester (SPRING)	1.5.5	
LD Major	CS 230	Computing and Social Responsibility		3
Second Composition	ENGL 200 or PHYS 230			3
Code 1/D2				:
	00.004	Assembly Language and Computer	CS 100 or CS 101, both	
LD Major	CS 221	Architecture	with grade C- or better.	:
LD Major	MATH 225	Numerical Algorithms and Linear Algebra	CS 101 and MATH 130.	:
LD IVIAJOI	WATTES	Numerical Algorithms and Effical Algebra	Total:	1!
		Fifth Semester (FALL)	rotan	
UD-B/Overlay				:
F		Ethnic Studies		:
UD Major	STAT 316	Statistics for Science and Engineering	MATH 131	:
UD Major	CS 301	Data Structures	CS 201 and CS 211	:
			CS 211 and CS 221, both	
UD Major	CS 321	Computer Architecture	with grade C- or better.	:
			Total:	1
	T	Sixth Semester (SPRING)		
C2				
Code 2	00.044		00.004	3
UD Major	CS 311	Programming Language Concepts	CS 201 and CS 221.	:
UD Major	CS 441	Computer Networks	CS 301	3
,			CS/MATH 211 and CS	
UD Major	CS 413	Analysis of Algorithms	301	
			Total:	15
/- :		Seventh Semester (FALL)		
UD-D/Overlay			CC 201it/	
UD Major	CS 401	Software Engineering	CS 301 with grade C- or better.	3
OD IVIUJOI	55 701	Software Engineering	CS 301 with grade C- or	
UD Major	CS 421	Operating Systems	better.	3
,			CS 211 and MATH 225,	
			both with grade C- or	
UD Major	CS 411	Automata and Complexity	better.	
UD Major	CS Breadth			
			Total:	1!
		Eighth Semester (SPRING)		
4 ddll C4			+	
			1	
UD-C/Overlay	oc n III			
Add'l C1 or C2* UD-C/Overlay UD Major	CS Breadth			:
UD-C/Overlay UD Major UD Major	CS Elective			
UD-C/Overlay UD Major			Total:	

Area A (9 un	nits): Communication in the English Language & Critical Thinking (Must ear
□ A1 COM	passing grade of C-/CR or better) M 100 or 104, MLL 111
	. 101, 102, or 104
☐ A3. PHIL	
	Area B (9 units) : Scientific Inquiry & Quantitative Reasoning
☐ B1. Physi	cal Science
☐ B2. Life S	cience
	ratory Activity
☐ B4. Quan	atitative Reasoning (Must earn passing grade of C-/CR or better.)
	(9 units): Arts & Humanities - Minimum of three different disciplines as designated by course prefix (e.g., ART, THEA, MUS)
C1. Arts	
C2. Huma	
□ *Additioi	nal Lower-division Area C Course in Arts (C1) or Humanities (C2)
Area D (6 ur	nits) : Social Sciences - Minimum of three different disciplines as designate by course prefix (e.g., ANTH, ECON, POSC)
□ D1.	
□ D2.	
	Area E (3 units): Lifelong Learning and Self-Development
□ E.	
	Area F (3 units): Ethnic Studies
☐ F.	"
Second Co	Imposition: Requires completion of GE A2 with a C-/CR or better. Must be completed before attaining junior standing.
☐ Second C	Composition
U.S. Code (American Institutions Requirement) - Two courses (6 units) covering three e Requirements of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State & Local Government).
☐ Code 1.	,,
☐ Code 2.	
	ion GE Requirements (9 units): Should be taken after completion of A1, A2 A3, and B4 with a C- (CR)
	oper-division Science Inquiry and Quantitative Reasoning
□ UD-C.Up	per-division Arts OR Humanities
UD-D. Un	pper-division Social Sciences
	equirements (9 units): Courses may be upper or lower division, and GE or major
☐ Diversity	(Div)
☐ Social Jus	stice (SJ)
☐ Sustainal	pility (S)
	Computer Science Breadth Coursework
	ust complete two (2) courses of the following for 6 units:
CS 351 - We	bsite Development Units: 3
CC 421 Dot	tahasa Architastura Haitsi 2
	tabase Architecture Units: 3 sbile Programming Units: 3
C3 433 - IVIU	
CS 455 - Cor	mputer Graphics Units: 3
CS 455 - Cor CS 461 - Art	ificial Intelligence Units: 3
CS 455 - Cor CS 461 - Art	
CS 455 - Cor CS 461 - Art CS 471 - Sec	ificial Intelligence Units: 3 :urity and Information Assurance Units: 3
CS 455 - Cor CS 461 - Art CS 471 - Sec Students mu minimum of	ificial Intelligence Units: 3 urity and Information Assurance Units: 3 Elective Courses ust take two (2) courses with the CS prefix numbered 300 or above for a 6 units. Courses must not be the same as those already used. Note: 1-3
CS 455 - Cor CS 461 - Art CS 471 - Sec Students mu minimum of units of CS 4	ifficial Intelligence Units: 3 unity and Information Assurance Units: 3 Elective Courses ust take two (2) courses with the CS prefix numbered 300 or above for a