Requirement Area	Course	Course Title	Prerequisites	Units
		First Semester (FALL)	-	
A1 or A3		Oral Communication or Critical Thinking		
A2		Written Communication		
LD Major Core	CS 100	Programming for Everyone		
B4/LD Major Core	MATH 130	Calculus I	One from the following: Satisfactory score of 78 or higher on Mathematics Placement Exam, MATH 120 or MATH 125 (either course with grade C- or better).	
Elective				
			Total:	1
		Second Semester (SPRING)		
A1 or A3		Oral Communication or Critical Thinking		
C1 or C2		Arts or Humanities		
Elective				
D1-2/Code 1	ECON 101, ES 120, HIST 110,	Social Sciences and US-1-2		
,	POSC 101, or equivalent			
LD Major Elective				
			Total:	1
		Third Semester (FALL)		
D1-2/Code 2	ES 121, HIST 111, POSC 102, or	Social Sciences and US-3		
	equivalent		Completion of CE area 43	
Second Composition B1/B3		College Writing II Physical Science/Laboratory Science	Completion of GE area A2	
F C C C C C C C C C C C C C C C C C C C		rnysical science/Laboratory science		
r				
C1 or C2		Arts or Humanities		
			Total:	1
		Fourth Semester (SPRING)		
UWR		Ethnic Studies		
B2/B3		Life Science/Laboratory Science		
Add'l C1 or C2		Arts or Humanities		
LD Major Core	CS/MATH 211	Discrete Structures	MATH 130 with grade C- or	
	CS/WATT211		better	
E		Lifelong Learning and Self-Development	Total:	1
		Fifth Semester (FALL)	lotal:	1
UC-C	UD Arts or Humanities			
	BAN 310	Date Analysis with Dathan I	MATH 130 and CS 100 (or CS	
UD Major Core		Data Analysis with Python I	101)	
UD Major Core	BAN 315	Data Analysis with Python II	BAN 310	
UD Major Core	MKTG 305	Business Communication	Junior standing	
Concentration				
			Total:	1
UD-B/UD Major Core/S	BAN 320	Sixth Semester (SPRING) Optimization and Simulation for Business Application	ons CS 100 or CS 101	
UD Major Core	BAN 331	Database Management and SQL	BAN 310 or ITM 300	
UD Major Core	BAN 340	Machine Learning for Business Applications	BAN 315	
UD Major Core	BAN 350	Data Wrangling and Data Pipline	BAN 310	
Concentration				
			Total:	1
		Seventh Semester (FALL)		_
Concentration	MKTG 310	Marketing Research	MKTG 300	
UD Major Core/SJ	BAN 441	Business Data Visualization and Reporting	BAN 310 or ITM 300	
UD Major Core	BAN 449	Big Data Technology and Business Applications	BAN 315 or ITM 330	
Concentration		Concentration Elective		
Concentration		Concentration Elective	Total:	
		Eighth Competer (CDRING)	Total:	1
	UD Social Science (with Diversity	Eighth Semester (SPRING)	1	
UD-D (with Div if needed)	Overlay if needed)			
Concentration		Concentration Elective		
Concentration		Concentration Elective		
Major Capstone	BAN 499	Capstone Seminar	BAN 340 and BAN 441	
UD Free Elective				
			Total:	1
Total Units:				12

	CSUEB General Breadth and Graduation Requirement Checklist		
Area A (9 units): Communication in the English Language & Critical Thinking (Must earn passing grade of C-/CR or better)			
🗆 A1. CON	1M 100 or 104, MLL 111		
	L 101, 102, or 104		
🗆 A3. PHIL	100		
	Area B (9 units) : Scientific Inquiry & Quantitative Reasoning		
	ical Science		
B2. Life S	Science		
	ratory Activity		
	ntitative Reasoning (Must earn passing grade of C-/CR or better.)		
Area C (9	units): Arts & Humanities - Minimum of three different disciplines as designated by course prefix (e.g., ART, THEA, MUS)		
🗆 C1. Arts			
🗆 C2. Hum	anities		
- *Additio	nal Lower-division Area C Course in Arts (C1) or Humanities (C2)		
	nal Lower-division Area C Course in Arts (C1) or Humanities (C2) 6 units) : Social Sciences - Minimum of three different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)		
🗆 D1.			
🗆 D2.			
□ E.	Area E (3 units) : Lifelong Learning and Self-Development		
⊔ E.	Anna F (2 surjed), Februiz Fessellan		
□ E.	Area F (3 units): Ethnic Studies		
	mposition : Requires completion of GE A2 with a C-/CR or better. Must be completed before attaining junior standing.		
Second (Composition		
	(American Institutions Requirement) - Two courses (6 units) covering three U.S. Code Ints of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State & Local Government).		
Code 1.	overment		
Code 2.			
	ision GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR)		
🗆 UD-B. UI	pper-division Science Inquiry and Quantitative Reasoning		
	per-division Arts OR Humanities		
	pper-division Social Sciences		
	Requirements (9 units): Courses may be upper or lower division, and GE or major		
Diversity			
	<u></u>		
Social Ju	stice (SJ)		
Sustaina	bility (S)		
Informatio	on System and Supply Chain Analytics Concentration		
Take the fo	bllowing two (2) courses for 6 units:		
ITM 336 -	Information Systems Development and Management Units: 3		
MGMT 364	4 - Global Supply Chain Management Units: 3 ; Breadth Area: Diversity		
	purses (12 units)		
	r (4) courses for 12 units from the following:		
	rtificial Intelligence Units: 3		
	Cloud Computing and Ecommerce Units: 3		
ITM 446 - I	Information Security Units: 3		
	5 - Enterprise Resource Planning and Control Units: 3		
MGMT 45	0 - Project Management Units: 3		
MGMT 450 MGMT 455	0 - Project Management Units: 3 5 - AI Enabled Supply Chain and Logistics Analytics Units: 3		
MGMT 45 MGMT 45 MGMT 46	0 - Project Management Units: 3		

Note: No changes to, or from, the credit/no credit pattern are permitted after the Grade Type Change period. There are no exceptions to this rule. Courses in a student's major department, regardless of course prefix, may not be taken "CR/NC," unless that is the only grading pattern in the course.

Updated: 4/1/2024