Title	C-ID Designation	C-ID Units	Double	CSUEB Course	Units
Programming Concepts & Methodology I (CS1)	COMP 122	3			
Programming Concepts & Methodology II (CS2)	COMP 132	3			
Computer Architecture & Organization	COMP 142	3			
Discrete Structures	COMP 152	3			
Choose 1					
Single Variable Calculus I and II – Early Transcendental s (min. 8 units)		8			
or					
Single Variable Calculus I and II – Late Transcendental s (min. 8 units)		8			
or	MATH 210 and 220	8			
Single Variable Calculus Sequence (min. 8 units)					
or					
MATH 211 and 221		8			
or					
MATH 900S					
Choose 1					
PHYS 205	4				
	4				
(min. 4 units)					
or					
Cell and Molecular Biology		4			
(min. 4 units)					
or					
Organismal Biology		4			
Choose 1					
PHYS 210		4			

	ON REQUIREMENTS These should		
however if no	<mark>ot taken at the Community Collec</mark> US History, Constitutio		eted at CSU East Bay
First Category			
US-1			0-3
Second			
Category US-2			0-3
Third Category US-3			0-3
		Total Units	0-9
	These courses must be t	taken at CSU East Bay	
must have	A minimum of three courses in the a topic/learning outcomeoriented overlays): Diversity (DIV), Social J	d toward one of the foll	owing topic areas
Upper Division GE/Overlay	Courses	Overlay	Units
GE-UD-B			3
GE-UD-C			3
GE-UD-D			3
		Total Units	9
University			
Writing Requirement	Course	GE/Overlay	Units
UWR		GL/Ovenay	UTILS
		Total Units	3
			3
Introductory Co	o Course	GE/Overlay	Units
Basic lower-divis	sion requirements for 9-10 units.		
Select one (1) of CS 100*	f the following (CS 100 is recommend	ted for Data Science Con	•
MATH 130*	Programming for Everyone Calculus I		3
	-		

Advanced Core	Course	GE/Overlay	Units
The following co	urses for 24 units are required as outlined b	elow:	
Take all of the fo	llowing:		
STAT 330	Statistical Inference		3
STAT 331	Introduction to Analysis of Variance		3
STAT 432	Introduction to Linear Regression and Log	istic Regression	3
STAT 495 Data Analysis with SAS			3
Select one (1) of	the following (STAT 321 recommended for	Data Science Conce	ntration):
STAT 320	Introduction to Probability Theory I		3
STAT 321	Probability Through Simulation		3
Select three (3)	Elective Courses from the following:		
STAT 351	Sampling Procedures for Surveys		3
	Introduction to R for Data Science		
STAT 450	(Cannot be double-counted for students in the Data Science Concentration)		3
	Introduction to Data Visualization		
OTAT 454	(Cannot be double-counted for students		0
STAT 451	in the Data Science Concentration) Introduction to Statistical Learning		3
	(Cannot be double-counted for students		
STAT 452	in the Data Science Concentration)		3
STAT 460	Advanced Statistical Package Usage		3
STAT 473	Introduction to Nonparametric Statistics		3
STAT 474	Introduction to Time Series and Forecastir	ng	3
STAT 475	Introduction to Stochastic Processes		3
STAT 481	Bayesian Statistics		3
		Total Units	

	F	IRST SEMESTER	R JUNIOR YEAR (FA	<u>\Щ)</u>	
UDGE UD-B	COURSE:		OVERLAY:		3
UD Major	STAT 330		Statistical Inter	ference	3
*UD Major OR			Introduction to	Probability	
UD Elective	STAT 320		Theory I		3
CONCENTRATIO N					3
UWR					3
				TOTAL:	15
	SEC	OND SEMESTER	UNIOR YEAR (SP	PRING)	
UDGE UD-D			OVERLAY:		3
UD Major	STAT 331		Introduction to Variance	Introduction to Analysis of Variance	
-	-		Introduction to	Linear Regression	
UD Major	STAT 432		and Logistic Re	0	3
*UD Major OR UD Elective	STAT 321		Probability Through Simulation		3
UD Elective					3
				TOTAL:	15
	T	HIRD SEMESTEI	R SENIOR YEAR (FA	ALL)	
Check your	MyCSUEB "Degre		" (DAR) and email	l any discrepancies	to The ADT
UDGE UD-C			OVERLAY:		3
UD Major	STAT 495		Data Analysis with SAS		3
UD Elective					3
CONCENTRATIO			Introduction to	R for Data	
Ν	STAT 450		Science		3
CONCENTRATIO			Introduction to Data		
N STAT 451			Visualization		3
				TOTAL:	15
	FOL	JRTH SEMESTER	R SENIOR YEAR (SF	PRING	
See the ADT AD	VISOR and apply	0	through MyCSUEE ortant Dates	3 by the posted dea	dline, available
				Introduction to Statistical	
CONCENTRATION		STAT 452		Learning	3
CONCENTRATION				g	3
	-				3
FREE FLECT					J
FREE ELECT					
FREE ELECT					3
				TOTAL:	