

MATHEMATICS ADT TO CSU EAST BAY STATISTICS BS CHECKLIST

ADT MATHEMATICS – 60 Sem. Units	Sem. Units	Community College Courses
CSUGE or IGETC	39	<i>CSU general education certification requires completion of all requirements in Areas A through E, approximately 39 units</i>
AREA D REQUIREMENT: US History, Constitution & American Ideals Code Requirement	3-9	US-1: US-2: US-3:
Diversity/Social Justice/Sustainability <i>Can be fulfilled in area C or D</i>	3-9	DIV: SJ: SUS:
Second Composition (Comp II) Can be fulfilled with A3 Any Composition course with ENGL 100 as a prerequisite	3	
<i>The following areas are for the CID TMC/Courses and matching Community College Courses</i>		
Major Core (C-ID)	12	Community College Courses
MATH 210 - Single Variable Calculus I – Early Transcendentals		
MATH 220- Single Variable Calculus II – Early Transcendentals		
MATH 230 - Multivariable Calculus		
LIST A	6	
MATH 240 - Ordinary Differential Equations		
MATH 250 - Introduction to Linear Algebra		
LIST B	3	
MATH 110 - Introduction to Statistics	Counted in GE	
COMP 112 - Introduction to Programming and Concepts and Methodologies		
Total Units ADT *MATHEMATICS*	60	

PLEASE NOTE: This page assumes Semester Units.

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CSUEB: Statistics B.S. <i>Complete Degree in 60 Semester Units</i>	Semester UNITS	NOTES
GRADUATION REQUIREMENTS <i>These should be fulfilled at the Community College, however if not taken at the Community College, they must be completed at CSU East Bay</i>		
US History, Constitution & American Ideals	0-9	
1) First Category US-1	0-3	
2) Second Category US-2	0-3	
3) Third Category US-3	0-3	
These courses must be taken at CSU East Bay		
Upper Division GE <i>See catalog</i>	9	CSUEB COURSES
Please note: A minimum of three courses in the Upper Division General Education pattern must have a topic/learning outcome oriented toward one of the following topic areas (overlays): Diversity, Social Justice, or Sustainability.		
Area B6 Upper Division Science course	3	Course: OVERLAY:
Area C4 Upper Division Humanities course	3	Course: OVERLAY:
Area D4 Upper Division Social Sciences course	3	Course: OVERLAY:
Introductory Core Select 1 from the following courses:	0-3	
MATH 131 – Calculus II	3	*Can be taken at a CCC
STAT 303 – Statistical Methods in Biology	3	
STAT 310 – Statistical Methods in Social Sciences	3	
STAT 315 – Exploring and Analyzing Data	3	
Advanced Core	24	
STAT 330 – Statistical Inference	3	
STAT 331 – Introduction to Analysis of Variance	3	
STAT 432 – Introduction to Linear Regression and Logistic Regression	3	
STAT 495 – Data Analysis with SAS	3	
STAT 320 – Introduction to Probability Theory I OR STAT 321 – Probability Through Simulation	3	*STAT 321 is only offered in the SPRING SEMESTER
Select 3 Elective Courses from the following	9	
STAT 351 - Sampling Procedures for Surveys 3		
STAT 450 - Introduction to R for Data Science 3		
STAT 451 - Introduction to Data Visualization 3		
STAT 452 - Introduction to Statistical Learning 3		
STAT 460 - Advanced Statistical Package Usage 3		
STAT 473 - Introduction to Nonparametric Statistics 3		
STAT 474 - Introduction to Time Series and Forecasting 3		
STAT 475 - Introduction to Stochastic Processes 3		
STAT 481 - Bayesian Statistics 3		Refer
Emphasis Coursework	15	Please refer to the University Catalog
ADDITIONAL COURSE to reach 60 Units	9-12	<i>These courses may be additional Major Courses or prerequisites not taken at the Community College</i>
Total Semester Units at CSUEB	60	60

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FIRST SEMESTER JUNIOR YEAR			
Register to take the University Writing Skills Requirement			
UDGE B6	COURSE:	OVERLAY:	3
UD Major	STAT 330	Statistical Interference	3
*UD Major OR UD Elective	STAT 320	Introduction to Probability Theory I	3
Area of Emphasis			3
ELECT			3
		TOTAL:	15
SECOND SEMESTER JUNIOR YEAR			
TAKE THE UNIVERSITY WRITING SKILLS TEST			
UDGE D4	COURSE:	OVERLAY:	3
UD Major	STAT 331	Introduction to Analysis of Variance	3
UD Major	STAT 432	Introduction to Linear Regression and Logistic Regression	3
*UD Major OR UD Elective	STAT 321	Probability Through Simulation	3
UD Elective			3
		TOTAL:	15
THIRD SEMESTER SENIOR YEAR			
Verify that you have completed the University Writing Skills Requirement. Check your MyCSUEB "Degree Audit Report" (DAR) and email any discrepancies to The ADT ADVISER.			
UDGE C4	COURSE:	OVERLAY:	3
UD Major	STAT 495	Data Analysis with SAS	3
UD Elective			3
Area of Emphasis Elective			3
Area of Emphasis Elective			3
		TOTAL:	15
FOURTH SEMESTER SENIOR YEAR			
See the ADT ADVISER and apply for graduation through MyCSUEB by the posted deadline, available at Important Dates			
Area of Emphasis Elective			3
Area of Emphasis Elective			3
ELECT			3
ELECT			3
ELECT			3
		TOTAL:	15
GRAND TOTAL:			60