CNSM CSULB
CALIFORNIA STATE UNIVERSITY LONG BEACH

CNSM Academic Advising
College of Natural Sciences and Mathematics
www.csulb.edu/cnsm/advising

MINOR IN STATISTICS
Minor Requirements Worksheet
2018-2019 Catalog

NOTE: This checklist is not intended to replace advising from the major department. Students should consult with the major advisor to determine the appropriate sequence of courses. This checklist is to inform students of major requirements and course prerequisites only; the CSULB Course Catalog takes precedence in any conflict. CSULB Enrollment Services prepares the Academic Requirements Report, which is the official graduation verification.

Before adding any minors, students must check to see if this addition will affect CSULB's Timely Graduation for Undergraduate Students policy. Under this policy, students may earn up to 120% of the number of units required for the degree in their **declared primary major**. In addition, the policy requires that a student must file a Request to Graduate form with Enrollment Services by the time the student has completed 100% of the units required for the declared primary major. Any additional degree objectives (e.g., majors, minors, certificates, etc.) must be completed within the 120% unit limit.

Many prerequisites require a "C" or better, please check the catalog for grade requirements.

The minor in Statistics is available to any non-Mathematics major. The student must complete 26 or more semester units as follows:

Semester	Grade	Course #	Course Title	Prerequisites
		MATH 122	Calculus I (4)	Appropriate algebra/calculus placement; or MATH 111 and either MATH 112B or 113
		MATH 123	Calculus II (4)	MATH 122
		MATH 224	Calculus III (4)	MATH 123 or 222
		MATH 247	Introduction to Linear Algebra (3)	MATH 123

UPPER DIVISION

Take ALL of the following courses:

Semester	Grade	Course #	Course Title	Prerequisites
		MATH 380	Probability and Statistics (3)	MATH 224
		STAT 381	Mathematical Statistics (3)	MATH 247 and 380

Choose TWO of the following courses:

Semester	Grade	Course #	Course Title	Prerequisites
		MATH 323	Introduction to Numerical Analysis (4)	MATH 224, and a course in computer programming
		STAT 410	Regression Analysis (3)	STAT 381
		STAT 450	Multivariate Statistical Analysis (3)	STAT 381. *Pre/corequisite*: STAT 410
		STAT 475	Data Analysis with SAS (3)	STAT 380 or instructor consent
		STAT 482	Random Processes (3)	MATH 247 and 380
		STAT 483	Survey Sampling (3)	MATH 380 or instructor consent

Semester	Grade	Course #	Course Title	Prerequisites
		STAT 484	Actuarial Science: Models (3)	STAT 380 or instructor consent
		STAT 485	Actuarial Science: Financial Mathematics (3)	STAT 381