

MINOR IN APPLIED MATHEMATICS

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.

The minor in Applied Mathematics is available to any student not majoring in Mathematics or Applied Mathematics.

The student must complete 27 or more semester units as follows:

Take ALL of the following courses:

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	Intro. to Linear Algebra (3)	MATH 123

UPPER DIVISION COURSES

Take ALL 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
		MATH 380	Probability and Statistics (3)	MATH 224

Choose ONE of the following courses:

Semester	Grade	Course #	Course Title	Prerequisites
		MATH 364A	Ordinary Differential Equations I (3)	MATH 224. <i>Pre/Corequisite</i> MATH 247
		MATH 370A	Applied Mathematics I (3)	MATH 123. Not open to Freshmen

Choose ONE of the following courses:

Semester	Grade	Course #	Course Title	Prerequisites
		MATH 364B	Ordinary Differential Equations II (3)	MATH 364A or 370A

Semester	Grade	Course #	Course Title	Prerequisites
		MATH 370B	Applied Mathematics II (3)	MATH 364A or 370A
		MATH 423	Intermediate Numerical Analysis (3)	MATH 247 and 323
		MATH 470	Introduction to Partial Differential Equations (3)	MATH 364A or 370A
		STAT 381	Mathematical Statistics (3)	MATH 247 and 380
		STAT 482	Random Processes (3)	MATH 247 and 380