Minor in APPLIED MATHEMATICS
Minor Requirements Worksheet
2013-2014 Catalog

Name: _____ *Student ID:*_____

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 minor requirements and course prerequisites only. 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. For more information, see http://www.csulb.edu/depts/enrollment/graduation/bachelors/timely_grad_ugrad.html.

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:

Lower Division

Grade	Course #	Course Title (units in parentheses)	Semester	Prerequisites (must have a "C" or better in all courses)
	MATH 122	Calculus I (4)		Appropriate MDPT placement or MATH 111 and 113, or MATH 117
	MATH 123	Calculus II (4)		MATH 122
	MATH 224	Calculus III (4)		MATH 123
	MATH 247	Introduction to Linear Algebra (3)		MATH 123

Upper Division

Take **all** of the following courses:

Grade	Course #	Course Title	Semester	Prerequisites (must have a "C" or better in all courses)
	MATH 323	Introduction to Numerical Analysis (4)		MATH 224, and a course in computer programming
	MATH/STAT 380	Probability and Statistics (3)		MATH 224

Choose ONE of the following courses:

Grade	Course #	Course Title	Semester	Prerequisites(must have a "C" or better in all courses)
	MATH 364A	Ordinary Differential Equations I (3) OR		MATH 224, and pre/corequisite MATH 247
	MATH 370A	Applied Mathematics I (3)		MATH 123. Not open to Freshman

Choose ONE of the following courses:

Grade	Course #	Course Title	Semester	Prerequisites (must have a "C" or better in all courses)
	MATH 364B	Ordinary Differential Equations II (3) OR		MATH 364A or 370A
	MATH 423	Intermediate Numerical Analysis (3) OR		MATH 247 and 323
	MATH 470	Introduction to Partial Differential Equations (3) OR		MATH 364A or 370A
	STAT 381	Mathematical Statistics (3) OR		MATH 247 *and* 380 or STAT 380
	STAT 482	Random Processes (3)		MATH 247 *and* 380 or STAT 380

Student may replace MATH 123 and 224 by an additional course from MATH 364B, 423, 470, STAT 381, 482 **not used** to meet the above upper division requirements.