

# Minor in Chemistry

## Minor Requirements Worksheet

### 2012-2013 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](http://www.csulb.edu/depts/enrollment/graduation/bachelors/timely_grad_ugrad.html).*

The minor in Chemistry is available to any non-Chemistry or non-Biochemistry major.  
A minimum of 20 units of chemistry which must include:

#### Lower Division

Grade	Course #	Course Title	Semester	Prerequisites (All Prerequisites must have a "C" or better)
	CHEM 111A	General Chemistry (5)		A passing score on the CPT; MATH 113 or 117 or 119A or 122
	CHEM 111B	General Chemistry (5)		CHEM 111A

**Upper Division:** A minimum of nine units must be taken from upper division chemistry courses.

Grade	Course #	Course Title	Semester	Prerequisites (All Prerequisites must have a "C" or better)

There are three Organic Chemistry paths. Students may use courses from only one of the paths to meet the requirements of the minor. Choose ONE of the paths below:

#### Path 1

Grade	Course #	Course Title	Semester	Prerequisites (All Prerequisites must have a "C" or better)
	CHEM 327	Fundamentals of Organic Chemistry (3)		CHEM 111A; CHEM 111B is recommended

#### Path 2:

Grade	Course #	Course Title	Semester	Prerequisites (All Prerequisites must have a "C" or better)
	CHEM 320A	Organic Chemistry (3)		CHEM 111B; CHEM 251 is also recommended
	CHEM 320B	Organic Chemistry (3)		CHEM 320A

#### Path 3:

Grade	Course #	Course Title	Semester	Prerequisites (All Prerequisites must have a "C" or better)
	CHEM 322A	Organic Chemistry (3)		CHEM 111B (lab required same semester*)
	CHEM 322B	Organic Chemistry (3)		CHEM 322A and CHEM 323A (+ lab*)
	CHEM 323A	Organic Chemistry Laboratory (1)		CHEM 111B
	CHEM 323B	Organic Chemistry Laboratory (1)		CHEM 322A and CHEM 323A