

Minor in Chemistry

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 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) |
|-------|----------|--------------|----------|---|
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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 (5) | | 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 |

There are two Physical Chemistry paths; CHEM 371A/B and CHEM 377A/B. Students may use only one of the CHEM 371A or 377A and only one of the CHEM 371B or 377B to meet the requirements for the minor.

The following courses are not acceptable towards the minor: CHEM 90, 100, 101, 105, 140, 302, and 324.