

CHEMISTRY MINOR

- This worksheet is intended for supplemental use only. The University will use your Academic Requirements Report (ARR) to track your graduation requirements, including those for your minor. Please continue to check your ARR for accuracy.
- If your ARR requires a correction, please submit an ARR Correction Form at www.csusm.edu/academicadvising.
- All courses used for the minor must be completed with a grade of C (2.0) or higher.
- All non-articulated courses MUST be reviewed and approved by a faculty advisor.
- Biochemistry majors may not minor in Chemistry.

LOWER-DIVISION COURSEWORK (19 UNITS)

Need <input checked="" type="checkbox"/>	Course	Units
<input type="checkbox"/>	CHEM 150: General Chemistry Lecture (*Chemistry Placement Exam or CHEM 101 or CHEM 105)	4
<input type="checkbox"/>	CHEM 150L: General Chemistry Laboratory (+CHEM 150)	1
<input type="checkbox"/>	CHEM 160: General Chemistry II (formerly CHEM 250; *CHEM 150, 150L, +MATH 125)	3
<input type="checkbox"/>	CHEM 175: Advanced General Chemistry Laboratory (*CHEM 150, 150L, +CHEM 160)	1
<input type="checkbox"/>	CHEM 201: Organic Chemistry (*CHEM 160)	3
<input type="checkbox"/>	CHEM 201L: Organic Chemistry Laboratory (*CHEM 160, +CHEM 201)	2
<input type="checkbox"/>	CHEM 202: Organic Chemistry (*CHEM 201, 201L)	3
<input type="checkbox"/>	CHEM 202L: Organic Chemistry Laboratory (*CHEM 201, 201L, +CHEM 202)	2

UPPER-DIVISION COURSEWORK (9 UNITS)

Select 9 units from the pre-approved list below or you may consult with a Chemistry Faculty advisor for additional options:

- CHEM 308:** Environmental Chemistry (3) (*CHEM 160, 201)
- CHEM 341:** General Biochemistry (3) (*CHEM 201)
- CHEM 398A:** Special Problems in Chemistry-Library (1) (*consent of instructor)
- CHEM 398B:** Special Problems in Chemistry-Library (2) (*consent of instructor)
- CHEM 401:** Physical Chemistry-Classical (3) (*CHEM 160, MATH 162, PHYS 202)
- CHEM 402:** Physical Chemistry-Quantum (3) (*CHEM 160, MATH 162, PHYS 202; **fall only**)
- CHEM 404:** Inorganic Chemistry (3) (*CHEM 160, 201, +CHEM 404L; **spring only**)
- CHEM 450:** Protein Structure and Function (3) (*CHEM 341 or 351; **spring only**)
- CHEM 455:** Enzymology (3) (*CHEM 341 or 351)
- CHEM 490:** Selected Topics in Analytical Chemistry (1-3) (*CHEM 416; consent of instructor)
- CHEM 491:** Selected Topics in Biochemistry (1-3) (*CHEM 341 or 351; consent of instructor)
- CHEM 492:** Selected Topics in Inorganic Chemistry (1-3) (*CHEM 404, consent of instructor)
- CHEM 493:** Selected Topics in Organic Chemistry (1-3) (*CHEM 201; consent of instructor)
- CHEM 494:** Selected Topics in Physical Chemistry (1-3) (*CHEM 401, 402; consent of instructor)
- CHEM 497:** Chemistry in the Community (1) (*consent of instructor)

Need <input checked="" type="checkbox"/>	Course	Units
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