

Chemistry AST Coursework Roadmap-Two Year

Year 1

Instructions:

Be sure to work with a counselor to make sure that your choices work for all of your intended transfer institutions.

1. Take MATH 171 (with MATH 181¹).
2. Take CHEM 101.²
3. Take ENGL 100 or 101.
4. Take PHYS 165³ (with PHYS 166¹).
5. Take MATH 172 (with MATH 182¹).
6. Take CHEM 102.
7. Take PHYS 101 (with PHYS 121¹).
8. Take ENGL 103.
9. Pick one course from the list of General Education Options -IGETC 3.⁴
10. Take COMM 100.⁴

¹ Recommended for success by area faculty.

² For students who did not complete high school chemistry with a grade of C or higher taking CHEM 142 first is recommended for success.

³ PHYS 165 is a prerequisite for PHYS 101 as should be taken at this point if this requirement was not satisfied in high school. Please see your counselor.

⁴ Recommended for the summer semester.

Course Selections:

Course Selections:	Units	Term
1. MATH 171 (with MATH 181)	<u>4 or 5</u>	_____
2. CHEM 101	<u>5</u>	_____
3. ENGL 100 or 101	<u>3 or 5</u>	_____
4. PHYS 165 (with PHYS 166)	<u>4 or 5</u>	_____
5. MATH 172 (with MATH 182)	<u>4 or 5</u>	_____
6. CHEM 102	<u>5</u>	_____
7. PHYS 101 (with PHYS 121)	<u>4 or 5</u>	_____
8. ENGL 103	<u>3</u>	_____
9. _____ general education selection	<u>3</u>	_____
10. COMM 100	<u>3</u>	_____

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Year 2

Instructions:

Continue to work with a counselor to make sure that your choices work for all of your intended transfer institutions.

11. Take CHEM 112 or CHEM 122¹.
12. Take PHYS 102² (with PHYS 112³)
13. Take MATH 173³ (with MATH 183³).
14. Pick one course from the list of General Education Options -IGETC 4.
15. Take CHEM 113 or CHEM 123¹.
16. Take PHYS 103 (with PHYS 113¹)
17. Take BIO 101 or BIO 111.
18. Pick one course from the list of General Education Options -IGETC 4.
19. Pick one course from the list of General Education Options -IGETC 3.
20. Take one course that from General Education – IGETC 6A (FREN 101, GERM 101, ITAL 101, SIGN 125 or SPAN 101).

¹ Though the catalog only list CHEM 122 and 123 for the degree the evaluations office allows CHEM 112 and 113 for this AST.

² PHYS 102 is recommended because it is required by UC Davis, UC Merced, and CSU Sacramento. Please consult with your counselor.

³ Recommended for success by area faculty.

Course Selections:

Course Selections:	Units	Term
11. CHEM 112 or 122	<u>4</u>	_____
12. PHYS 102 (with PHYS 112)	<u>4 or 5</u>	_____
13. MATH 173 (with MATH 183)	<u>4 or 5</u>	_____
14. _____ general education selection	<u>3</u>	_____
15. CHEM 113 or 123	<u>4</u>	_____
16. PHYS 103 (with PHYS 113)	<u>4 or 5</u>	_____
17. BIO 101 or BIO 111	<u>4</u>	_____
18. _____ general education selection	<u>3</u>	_____
19. _____ general education selection	<u>3</u>	_____
20. _____ general education selection	<u>3-5</u>	_____
Expected Term of Graduation	_____	_____

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General Education Options –IGETC: 3

One of your IGETC 3 course selections should satisfy the 3A requirement and the other should satisfy the 3B requirement.

Course #	Course Title	GE Area(s)
ART 160	Appreciation of Art	IGETC: 3A*
MUSG 101	Music Appreciation	IGETC: 3A*
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HUMAN 101	Introduction to the Humanities	IGETC: 3B*
PHILO 101	Philosophy Application -or-	IGETC: 3B*
PHILO 111	Ethics: Theory & Application	IGETC: 3B

* Online offerings available.

These are recommendations from area faculty. Alternative selections can be made using MJC's general education lists in the catalog. Please see your counselor for assistance in choosing alternate courses.

General Education Options – IGETC Area 4

Course # **Course Title** **GE Area(s)**

The two classes you choose from this table must be from different disciplines.

To meet the US History, Constitution, and American Ideals requirement you must take either one course from Group a and one course from Group b or take both HIST 101 and 102.

ANTHR 101	Biological Anthropology -or-	CSU GE: D / IGETC: 4
ANTHR 102	Cultural Anthropology	CSU GE: D / IGETC: 4
CLDDV 103	Child Growth & Development	CSU GE: D / IGETC: 4
ECON 101	Principles of Macroeconomics	CSU GE: D / IGETC: 4
HE 115	Drugs, Health & Society	CSU GE: E / IGETC: 4
HIST 101	History of the United States to 1877	CSU GE: D / IGETC: 4 ¹
HIST 102	History of the United States since 1865	CSU GE: D / IGETC: 4 ¹
POLSC 101	American Politics	CSU GE: D / IGETC: 4 ²
PSYCH 101	General Psychology -or-	CSU GE: D / IGETC: 4
PSYCH 104	Introduction to Social Psychology	CSU GE: D / IGETC: 4

¹ HIST 101 and HIST 102 meet the IGETC US History, Constitution and American ideas Group a requirement.

² POLSC 101 meets the IGETC US History, Constitution and American ideas Group a requirement.

These are recommendations from area faculty. Alternative selections can be made using MJC's general education lists in the catalog. Please see your counselor for assistance in choosing alternate courses.