

# Chemistry AS (UPE) Three-Year Coursework Roadmap

## 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 GUIDE 120.<sup>1</sup>
2. Take MATH 161.
3. Take CHEM 101.<sup>2</sup>
4. Take ENGL 100 or 101.
5. Take MATH 162.
6. Take CHEM 102.
7. Take ENGL 103.
8. Pick one course from the list of General Education Options  
-CSU GE: C1 / IGETC 3A.<sup>1</sup>

<sup>1</sup> Recommended for the summer semester.

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

### Course Selections:

Course Selections:	Units	Term
1. GUIDE 120	<u>3</u>	_____
2. MATH 161	<u>4</u>	_____
3. CHEM 101	<u>5</u>	_____
4. ENGL 100 or 101	<u>3 or 5</u>	_____
5. MATH 172	<u>4</u>	_____
6. CHEM 102	<u>5</u>	_____
7. ENGL 103	<u>3</u>	_____
8. _____ general education selection	<u>3</u>	_____

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## Year 2

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

9. Take CHEM 112.
10. Take MATH 171/181.
11. Take PHYS 165<sup>1</sup> (with PHYS 166<sup>1</sup>)
12. Take ART 102/CMPGR 202<sup>3</sup> or any MJC Activities course (s) for a total of at least 2 units.
13. Take COMM 100.
14. Take CHEM 113.
15. Take PHYS 101 (with PHYS 121<sup>2</sup>)
16. Take HIST 101 or HIST 102.
17. Pick one course from the list of General Education Options –CSU GE: C2 / IGETC 3B.
18. Pick one course from the list of General Education Options –CSU GE: D / IGETC 4.<sup>4</sup>

<sup>1</sup> PHYS 101 is recommended for transfer by area faculty. Completion of MATH 171 and either PHYS 165 or high school physics are the prerequisites for PHYS 101. Please see your counselor if you have questions.

<sup>2</sup> Recommended for success by area faculty.

<sup>3</sup> Art 102/CMPGR 202 is available online.

<sup>4</sup> Recommended for the summer semester.

Course Selections:	Units	Term
9. CHEM 112	<u>4</u>	_____
10. MATH 171/181	<u>5</u>	_____
11. PHYS 165 (with PHYS 166)	<u>4 or 5</u>	_____
12. _____ Activities selection (s)	<u>2-3</u>	_____
13. Take COMM 100	<u>3</u>	_____
14. CHEM 113	<u>4</u>	_____
15. PHYS 101 (with PHYS 121)	<u>4 or 5</u>	_____
16. HIST 101 or HIST 102	<u>3</u>	_____
17. _____ general education selection	<u>3</u>	_____
18. _____ general education selection	<u>3</u>	_____

# Chemistry AS (UPE) Three-Year Coursework Roadmap

## Year 3

### Instructions:

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

19. Take BIO 101<sup>1</sup> or BIO 111.

20. Pick one course from the list of General Education Options – CSU GE: C1 or C2 / IGETC 3A or 3B.

21. Take POLSCI 101

22. If you are using CSU GE take one course from Area E<sup>2</sup>. If you are using IGETC and have not taken at least two years of foreign language in high school take one course that from General Education – IGETC 6A (FREN 101, GERM 101, ITAL 101, SIGN 125 or SPAN 101).

<sup>1</sup> BIO 101 is recommended for transfer in Chemistry by area faculty. See you counselor for the requirements of your transfer institution(s).

<sup>2</sup> HE 115 is recommended by area faculty.

### Course Selections:

Units

Term

19. BIO 101 or BIO 111

4

\_\_\_\_\_

20. \_\_\_\_\_

general education selection

3

\_\_\_\_\_

21. POLSCI 101

3

\_\_\_\_\_

22. \_\_\_\_\_

general education selection

3-5

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**Expected Term of Graduation**

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\_\_\_\_\_

# Chemistry AS (UPE) Three-Year Coursework Roadmap

## General Education Options –CSU GE: C / IGETC: 3

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

Course #	Course Title	GE Area(s)
<b>ART 160</b>	Appreciation of Art	IGETC: 3A*
<b>MUSG 101</b>	Music Appreciation	IGETC: 3A*
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<b>HUMAN 101</b>	Introduction to the Humanities	IGETC: 3B*
<b>PHILO 101</b>	Philosophy Application -or-	IGETC: 3B*
<b>PHILO 111</b>	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 – CSU GE: D / IGETC Area 4

Course #	Course Title	GE Area(s)
<b>ANTHR 101</b>	Biological Anthropology -or-	CSU GE: D / IGETC: 4
<b>ANTHR 102</b>	Cultural Anthropology	CSU GE: D / IGETC: 4
<b>CLDDV 103</b>	Child Growth & Development	CSU GE: D / IGETC: 4
<b>ECON 101</b>	Principles of Macroeconomics	CSU GE: D / IGETC: 4
<b>HE 115</b>	Drugs, Health & Society	CSU GE: E / IGETC: 4
<b>PSYCH 101</b>	General Psychology -or-	CSU GE: D / IGETC: 4
<b>PSYCH 104</b>	Introduction to Social Psychology	CSU GE: D / IGETC: 4

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.