

# Physics AST Coursework Roadmap

## Instructions:

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

1. Take COLSK 100 and GUIDE 110 or GUIDE 120.
2. Take PHYS 165 & PHYS 166.
3. Take MATH 171 & MATH 181.
4. Take ENGL 100 or 101.
5. Pick one course from the list of General Education Options –CSU GE: Area C1 / IGETC: Area 3A.
6. Take PHYS 101 & PHYS 121.
7. Take MATH 172 & MATH 182.
8. Take ENGL 103 or PHILO 107.
9. Pick one course from the list of General Education Options –CSU GE: Area C2 / IGETC: Area 3B.
10. Pick one course from the list of General Education Options –CSU GE: Area D / IGETC: Area 4.
11. Pick one course from the list of General Education Options –CSU GE: Area D / IGETC: Area 4.

## Course Selections:

Course Selections:	Units	Term
1. COLSK 100 and GUIDE 110	<u>3-4</u>	_____
2. PHYS 165 & PHYS 166	<u>5</u>	_____
3. MATH 171 & MATH 181	<u>5</u>	_____
4. ENGL 100 or 101	<u>3 or 5</u>	_____
5. _____ <small>general education selection</small>	<u>3</u>	_____
6. PHYS 101 & PHYS 121	<u>5</u>	_____
7. MATH 172 & MATH 182	<u>5</u>	_____
8. ENGL 103 or PHILO 107	<u>3</u>	_____
9. _____ <small>general education selection</small>	<u>3</u>	_____
10. _____ <small>general education selection</small>	<u>3</u>	_____
11. _____ <small>general education selection</small>	<u>3</u>	_____

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

Course #	Course Title	GE Area(s)
<b>CSU GE Area C1 / IGETC Area 3A</b>		
ART 160	Appreciation of Art <sup>1</sup>	CSU GE: C1 / IGETC: 3A
COMM 132	Introduction to Mass Communication	CSU GE: C1 / IGETC: 3A
MUSG 101	Music Appreciation <sup>1</sup>	CSU GE: C1 / IGETC: 3A
<b>CSU GE Area C2 / IGETC Area 3B</b>		
ENGL 102	Advanced Comp & Intro to Literature	CSU GE: C2 / IGETC: 3B
HUMAN 101	Introduction to the Humanities <sup>1</sup>	CSU GE: C2 / IGETC: 3B
PHIL 101	Philosophy <sup>1</sup>	CSU GE: C2 / IGETC: 3B

<sup>1</sup> 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: 4 Table

To fulfil the “US History, Constitution, and American Ideals” requirement you must take a combination of two classes. You can take HIST 101 and HIST 102 or take either HIST 101 or HIST 102 and POLSCI 101 .

Course #	Course Title	GE Area(s)
COMM 103	Interpersonal Communication	CSU GE: D/ IGETC: 4
ECON 101	Principles of Macroeconomics	CSU GE: D/ IGETC: 4
ECON 102	Principles of Microeconomics	CSU GE: D/ IGETC: 4
HIST 101	History of the US until 1877	CSU GE: D/ IGETC: 4 <sup>1</sup>
HIST 102	History of the US since 1865	CSU GE: D/ IGETC: 4 <sup>1</sup>
POLSC 101	American Politics	CSU GE: D/ IGETC: 4 <sup>2</sup>

<sup>1</sup> HIST 101 and HIST 102 will satisfy the Group a requirement.

<sup>2</sup> POLSC 101 will satisfy the Group b requirement

Completing both HIST 101 and 102 will also fulfill the US History, Constitution, and American Ideals 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.

## General Education Options – CSU GE: B2 / IGETC: 5B

Course #	Course Title	GE Area(s)
ANTHR 101	Biological Anthropology	CSU GE: B2 / IGETC: 5B
BIO 115	Genetics, Evolution & Society	CSU GE: B2 / IGETC: 5B
ENSCI 108	Environmental Conservation	CSU GE: B2 / IGETC: 5B

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.

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## Instructions:

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

12. Take PHYS 102 & PHYS 112.
13. Take MATH 173 & MATH 183.
14. Take CHEM 101.\*
15. Take COMM 100.
16. Pick one course from the list of General Education Options –CSU GE: Area B2 / IGETC: Area 5B.
17. Take PHYS 103 & PHYS 113.
18. Take MATH 191\*
19. Take MATH 193\*
20. Take CHEM 102.\*
21. Pick one course from the list of General Education Options –CSU GE: Area C1 or C2 / IGETC: Area 3A or 3B.
22. Pick one course from the list of General Education Options –CSU GE: Area D / IGETC: Area 4.
23. if you plan to transfer to a UC and you did not take 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).

\* Recommended or required for transfer to certain institutions. CHEM 101 and CHEM 102 is required for Stanislaus State and UC Davis. MATH 191 and MATH 193 is required for UC Davis and UC Merced.

## Course Selections:

Course Selections:	Units	Term
12. PHYS 102 & PHYS 112	<u>5</u>	_____
13. MATH 173 & MATH 183	<u>5</u>	_____
14. CHEM 101	<u>4</u>	_____
15. COMM 100	<u>3</u>	_____
16. _____ general education selection	<u>3-4</u>	_____
17. Take PHYS 103 & PHYS 113	<u>5</u>	_____
18. MATH 172 & MATH 182	<u>5</u>	_____
19. _____ general education selection	<u>3</u>	_____
20. CHEM 102	<u>3</u>	_____
21. _____ general education selection	<u>3 or 5</u>	_____
22. _____ general education selection	<u>3-5</u>	_____

## Expected Term of Graduation

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