

Math AST Coursework Roadmap-Three 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. COLSK 100 & GUIDE 111 or GUIDE 120
2. Take MATH 111 (maybe with MATH 33¹).
3. Take ENGL 100 or 101.
4. Pick one course from the list of General Education Options –CSU GE: Area D/ IGETC Area 4 table in Group a.
5. Take MATH 161.
6. Pick one course from the list of General Education Options –CSU GE: Area A3/ IGETC Area 1B table.
7. Take COMM 100.
8. Take MATH 162.²

¹ Highly recommended for success by area faculty.

² Taken in the summer semester if possible.

Course Selections:

Course Selections:	Units	Term
1. COLSK 100 & GUIDE 111 or GUIDE 120	<u>3-4</u>	_____
2. MATH 111 (& MATH 33)	<u>3-6</u>	_____
3. ENGL 100 or 101	<u>3 or 5</u>	_____
4. _____ <small>US constitution selection</small>	<u>3</u>	_____
5. MATH 161	<u>4</u>	_____
6. _____ <small>general education selection</small>	<u>3</u>	_____
7. COMM 100	<u>3</u>	_____
8. MATH 162	<u>4</u>	_____

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General Education Options – CSU GE: D / IGETC: 4 Table 2

To fulfill 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)
ECON 101	Principles of Macroeconomics	CSU GE: D/ IGETC: 4
ECON 102	Principles of Microeconomics	CSU GE: D/ IGETC: 4
HIST 101¹	History of the US until 1877	CSU GE: D/ IGETC: 4
HIST 102¹	History of the US since 1865	CSU GE: D/ IGETC: 4
POLSCI 101²	American Politics	CSU GE: D/ IGETC: 4

¹ HIST 101 and HIST 102 will satisfy the Group a requirement.

² 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: A3/IGETC: 1B

Course #	Course Title	GE Area(s)
CSCI 203/ PHILO 103	Symbolic Logic Symbolic Logic	CSU GE: A3/* CSU GE: A3/*
ENGL 103	Advanced Composition & Critical Thinking	CSU GE: A3/ IGETC: 1B
PHILO 105	Critical Reasoning & Analytic Writing	CSU GE: A3/ IGETC: 1B
PHILO 107	Philosophy of Science	CSU GE: A3/ IGETC: 1B

* CSCI 203 and PHILO 103 meet the CSU A3 requirement, but should not be chosen if one of your transfer destinations is a UC.

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Math AST Coursework Roadmap-Three Year

Year 2

Instructions:

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

9. Take MATH 171 (& MATH 181¹).
10. Take PHYS 165 (& PHYS 166¹).
11. Pick one course from the list of General Education Options –CSU GE: Area B2/ IGETC Area 5B table.
12. Pick one course from the list of General Education Options –CSU GE: Area D/ IGETC Area 4 table.
13. MATH 172 (& MATH 182).
14. Take PHYS 101 (& PHYS 121¹) or List B selection
15. Pick one course from the list of General Education Options –CSU GE: Area C1/ IGETC Area 3A table

¹ Highly recommended for success by area faculty.

Course Selections:

Units

Term

9. MATH 171 (& MATH 181)	<u>4-5</u>	_____
10. PHYS 165 (& PHYS 166 ¹)	<u>4-5</u>	_____
11. _____ <small>general education selection</small>	<u>3-4</u>	_____
12. _____ <small>general education selection</small>	<u>3</u>	_____
13. MATH 172 (& MATH 182)	<u>4-5</u>	_____
14. PHYS 101 (& PHYS 121)	<u>5</u>	_____
15. _____ <small>general education selection</small>	<u>3</u>	_____

Math AST Coursework Roadmap-Three Year

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

Course #	Course Title	GE Area(s)
CSU GE Area C1 / IGETC Area 3A		
ART 102/ CMPGR 202	Introduction to Computer Graphics ¹	CSU GE: C1 / *
ART 151 ¹	Survey of Islamic Art	CSU GE: C1 / IGETC: 3A
ART 160 ²	Appreciation of Art	CSU GE: C1 / IGETC: 3A
MUSG 101 ²	Music Appreciation	CSU GE: C1 / IGETC: 3A

CSU GE Area C2 / IGETC Area 3B

ENGL 102	Advanced Composition & Intro to Lit	CSU GE: C2 / IGETC: 3B
HUMAN 101 ²	Introduction to the Humanities	CSU GE: C2 / IGETC: 3B
PHILO 101 ²	Philosophy	CSU GE: C2 / IGETC: 3B

* ART 102/CMPGR 202 meet the CSU C1 requirement, but should not be chosen if one of your transfer destinations is a UC.

¹ Art 151 is only offered in Spring semesters.

² 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.

Math AST Major Options

Select 6 units minimum from the lists below with at least 3 units from List A:

Course # Course Title

List A

MATH 191 Linear Algebra

MATH 193 Ordinary Differential Equations

List B

CSCI 271 Problem Solving and Programming 1

MATH 134 Elementary Statistics

PHYS 101 General Physics: Mechanics

General Education Options – CSU GE Area B2 / IGETC Area 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.

Math AST Coursework Roadmap-Three Year

Year 3

Instructions:

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

16. Take MATH 173 (& MATH 183¹).
17. Pick one course from the list of General Education Options –CSU GE: Area C2/ 3B table.
18. Pick Spanish as an IGETC 6A language course if you plan to transfer to a UC and have not taken at least two years of foreign language in high school.
19. Take MATH 191.
20. Take MATH 193 or List B selection.
21. Pick one course from the list of General Education Options –CSU GE: Area D/ IGETC Area 4 table in Group b.
22. Pick one course from the list of General Education Options – CSU GE: Area C1 or C2/ IGETC Area 3A or3B table.

¹ Highly recommended for success by area faculty.

Course Selections:

Units Term

- | | | |
|---|------------|-------|
| 16. MATH 173 (& MATH 183) | <u>4-5</u> | _____ |
| 17. _____
general education selection | <u>3</u> | _____ |
| 18. _____
general education selection | <u>3-5</u> | _____ |
| 19. MATH 191 | <u>3</u> | _____ |
| 20. MATH 193 or _____
AST List B selection | <u>3-5</u> | _____ |
| 21. _____
general education selection | <u>3</u> | _____ |
| 22. _____
general education selection | <u>3</u> | _____ |

Expected Term of Graduation
