

# Computer Science 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. Take CSCI 270.
2. Take MATH 111 (with 33) or highest math placement.
3. Take ART 102/CMPGR 202 or pick one course from the list of General Education Options –CSU GE: C1 / IGETC 3A.
4. Take COMM 100, COMM 102 or COMM 110.
5. Take MATH 161.
6. Take CSCI 271.
7. Take ENGL 100 or 101.
8. Take CSCI 203.<sup>1</sup>

<sup>1</sup> CSCI 203 fulfill the CSU GE: A1 requirement, but will not fulfill the IGETC 1B requirement at a UC. See you counselor for alternative selections if you might transfer to a UC.

### Course Selections:

Course Selections:	Units	Term
1. CSCI 270	<u>3</u>	_____
2. MATH 111 or placement	<u>3-6</u>	_____
3. ART 102/ or _____ CMPGR 202 <small>GE selection</small>	<u>3</u>	_____
4. Take COMM 100, 102 or 110	<u>3</u>	_____
5. MATH 161	<u>4</u>	_____
6. CSCI 271	<u>3</u>	_____
7. ENGL 100 or 101	<u>3 or 5</u>	_____
8. CSCI 203	<u>3</u>	_____

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

Course #	Course Title	GE Area(s)
<b>Art 160</b>	Appreciation of Art	CSU GE: C1
<b>CMPGR 202/ ART 102</b>	Introduction to Computer Graphics Introduction to Computer Graphics	CSU GE: C1 CSU GE: C1
<b>COMM 132</b>	Introduction to Mass Communication	CSU GE: C1 / IGETC: 3A
<b>MUSG 101</b>	Music Appreciation	CSU GE: C1 / IGETC: 3A
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<b>ENGL 162</b>	History of Cinema	CSU GE: C2 / IGETC: 3A
<b>HUMAN 101</b>	Introduction to the Humanities	CSU GE: C2 / IGETC: 3B
<b>PHILO 101</b>	Introduction to Philosophy -or-	CSU GE: C2 / IGETC: 3B
<b>PHILO 111</b>	Ethics: Theory & Application	CSU GE: C2 / IGETC: 3B

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: Area D / IGETC Area 4

Course #	Course Title	GE Area(s)
<b>COMM 130</b>	Intercultural Communication -or-	CSU GE: D / IGETC: 4
<b>COMM 132</b>	Introduction to Mass Communication	CSU GE: D / IGETC: 4
<b>ECON 101</b>	Principles of Macroeconomics	CSU GE: D / IGETC: 4
<b>ECON 102</b>	Principles of Microeconomics	CSU GE: D / IGETC: 4
<b>HIST 101</b>	History of the United States to 1877	CSU GE: D / IGETC: 4
<b>HIST 102</b>	History of the United States since 1865	CSU GE: D / IGETC: 4
<b>POLSC 180</b>	Human Rights	CSU GE: D / IGETC: 4

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Year 2
9. Take MATH 162
10. Take PHYS 165 (with PHYS 166 <sup>1</sup> )
11. Take CSCI 204, CSCI 272, or CSCI 273.
12. Pick a course from the list of General Education Options -CSU GE: C2 / IGETC 3B.
13. Take MATH 171 (with MATH 183 <sup>1</sup> ).
14. Take PHYS 101 (with PHYS 121 <sup>1</sup> )
15. Take CSCI 204, CSCI 272, or CSCI 273.
16. Pick one course from the list of General Education Options -IGETC 4.
<sup>1</sup> Recommended for success by area faculty.

Course Selections:	Units	Term
9. MATH 162	<u>4</u>	_____
10. PHYS 165 (with PHYS 166)	<u>4 or 5</u>	_____
11. CSCI 204, 272, or 273	<u>3</u>	_____
12. _____ <small>general education selection</small>	<u>3 or 5</u>	_____
13. MATH 171 (with MATH 183)	<u>4</u>	_____
14. PHYS 101 (with PHYS 121)	<u>4 or 5</u>	_____
11. CSCI 204, 272, or 273	<u>3</u>	_____
16. _____ <small>general education selection</small>	<u>3</u>	_____

# Computer Science AST Coursework Roadmap-Three Year

## Year 3

### Instructions:

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17. Take MATH 172 (with MATH 182<sup>1</sup>).
18. Take CSCI 204, CSCI 272, or CSCI 273.
19. Pick a course from the list of General Education Options –CSU GE: C1 or C2 / IGETC 3A or 3B.
20. Pick one course from the list of General Education Options –CSU GE: Area D group b / IGETC 4 group b.
21. Take PHYS 103 (with PHYS 113<sup>1</sup>)
22. Pick one course from the list of General Education Options –CSU GE: Area D group a / IGETC 4 group a.
23. If you intend to transfer to a CSU pick a General Education Options –CSU GE: E selection or if you might attend a UC and did not take two years of a foreign language in high school pick a course that from General Education – IGETC 6A (FREN 101, GERM 101, ITAL 101, SIGN 125 or SPAN 101).
24. Pick one course from the list of General Education Options –CSU GE: B2 / IGETC 5B.

<sup>1</sup>Recommended for success by area faculty.

### Course Selections:

Units

Term

17. MATH 172 (with MATH 182)	<u>4 or 5</u>	_____
18. CSCI 204, 272, or 273	<u>3</u>	_____
19. _____ general education selection	<u>3 or 5</u>	_____
20. _____ general education selection	<u>3</u>	_____
21. PHYS 103 (with PHYS 113)	<u>4 or 5</u>	_____
22. _____ general education selection	<u>3</u>	_____
23. _____ general education selection	<u>3-5</u>	_____
24. _____ general education selection	<u>3 or 5</u>	_____
<b>Expected Term of Graduation</b>	_____	_____

# Computer Science AST Coursework Roadmap-Three Year

## General Education Options – CSU GE: Area E

Course #	Course Title	GE Area(s)
HE 110	Healthful Living – or-	CSU GE: E
HE 111	Women’s Health Issues	CSU GE: E
PSYCH 110	Human Sexualities -or-	CSU GE: E / IGETC: 4
PSYCH 130	Personal Adjustment	CSU GE: E
PSYCH 141	Human Lifespans	CSU GE: E / IGETC: 4

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

Course #	Course Title	GE Area(s)
ANTHR 101	Biological Anthropology	CSU GE: B2 / IGETC: 5B
ENSCI 108	Environmental Conservation	CSU GE: B2 / IGETC: 5B
PSYCH 103	Introduction to Neuroscience	CSU GE: B2 / IGETC: 5B

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## General Education Options – CSU GE: D / IGETC: 4

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.

Course #	Course Title	GE Area(s)
<b>Group a</b>		
ECON 115	Economic History of the United States	CSU GE: D/ IGETC: 4
HIST 101	History of the US until 1877	CSU GE: D/ IGETC: 4
HIST 102	History of the US since 1865	CSU GE: D/ IGETC: 4
HIST 116	Women in American History	CSU GE: D/ IGETC: 4
HIST 154	African Amer. History thru 19th Cent	CSU GE: D/ IGETC: 4
HIST 155	African Amer. History in 20 <sup>th</sup> /21 <sup>st</sup> Cent	CSU GE: D/ IGETC: 4

<b>Group b</b>		
POLSC 101	American Politics	CSU GE: D / IGETC:4
POLSC 102	The Constitution and Rights of Persons	CSU GE: D / IGETC:4
POLSC 120	California Politics and Problems	CSU GE: D / IGETC:4

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