

# General Studies - Computer Science Pathway

## Length: Four Semesters

This Computer Science Pathway is designed for students planning to transfer to a four-year institution and major in Computer Science.

## NOTES

\* You must complete a sequence of literature OR a sequence of history, ( i.e. you either need to take two literature classes and one history OR two history classes and one literature class). Literature and history classes do not have to taken in sequence; in other words, the lower number class does not have to be taken first. A literature course can also be taken as a Humanities and Fine Arts elective.

\* Placement in MTH112 is based on test scores. See your advisor to determine which math class you need to take. If you did not place into MTH112, ask your advisor to help you develop a modified academic map.

\* Placement in ENG101 is based on test scores. See your advisor to determine which English you need to take. If you did not place into ENG101, ask your advisor help you develop a modified academic map.

\* You must take 8 hours of natural science electives from the BIO, CHM, GEO, PHS, or PHY programs. A sequence is not required. If you are unsure as to whether you should take a sequence for transfer, please consult the STARS Guide. All sequenced science courses must be taken in order, that is, with the lower numbered class first. The exception is Physical Science PHS111 or PHS 112. If you are certain you are not going into a science-related field, Physical Science is an overview of all fields of science and it might be a good class for you. If you are not going into a health-related field and you want to take biology, take BIO101 and BIO102. If you think you might want to go into a health-related field or a scientific field or are undecided about your transfer plans, take BIO103 and BIO104.

\* Consult the transfer institution or the STARS templates for additional information about degree requirements. Also, see an academic advisor for assistance.

**Subject:** General Studies

**Type:** A.S.

## Semester One

Item #	Title	Credits
CIS 251	C ++ Programming	3
ENG 101	English Composition I	3
MTH 112	Precalculus Algebra	3
ORI 101	Orientation to College	1
	Fine Arts Elective (I)	3
	SPH 106 or SPH 107	3

## Semester Two

Item #	Title	Credits
ENG 102	English Composition II	3
MTH 113	Precalculus Trigonometry	3
	History Sequence (Part I)	3
	Natural Science Elective (4 SH)	4
PHL 206	Ethics and Society	3

## Semester Three

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MTH 125	Calculus I	4
	History Sequence (Part II)	3
	Literature Sequence (Part I)	3
	Natural Science Elective (4 SH)	4

## Complete Graduation Application

Complete the graduation application and begin the process of a review of your degree plan before your final semester.

## Semester Four

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
CIS 285	Object Oriented Programming	3
MTH 126	Calculus II	4
	Literature Sequence (Part II)	3
	Social Science Elective	3
	Social Science Elective	3
	<b>Total credits:</b>	<b>62</b>