

COMPUTER SCIENCE, A.S.

Length: Four Semesters

This program 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 be taken in sequence; in other words, the lower number class does not have to be taken first.

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

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

* You must take a science sequence – two classes in the same science, such as BIO101 and BIO102 or CHM104 and CHM105. 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, take BIO103 and BIO104. All science courses must be taken in sequence, that is, with the lower numbered class first. The exception is Physical Science PHS111 or PHS 112. Those may be taken out of sequence. 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.

* Consult the transfer institution or the STARS templates at www.coastalalabama.edu for additional information about degree requirements. Also, see an academic adviser for assistance.

Program: Computer Science

Type: A.S.

FIRST SEMESTER

Item #	Title	Credits
ORI 101 1	Orientation to College	
ENG 101 3	English Composition I	
MTH 112 3	Precalculus Algebra	
3	SPH 106 or SPH 107	
3	Humanities and Fine Arts Elective	
CIS 191 3	Intro to Computer Programming Concepts	
16	Sub-Total Credits	

SECOND SEMESTER

Item #	Title	Credits
MTH 113 3	Precalculus Trigonometry	
ENG 102 3	English Composition II	
4	Natural Science Sequence	
3	History Elective (3 SH)	
CIS 251 3	C ++ Programming	
16	Sub-Total Credits	

THIRD SEMESTER

Item #	Title	Credits
MTH 125 4	Calculus I	
3	Literature Sequence	
4	Natural Science Sequence	
3	CIS Social Science Elective (3 SH)	
CIS 252 3	Advanced C ++ Programming	
17	Sub-Total Credits	

COMPLETE GRADUATION APPLICATION

Click [here](#) to complete the graduation application and begin the process of a review of your degree plan before your final semester.

SEMESTER FOUR

Item #	Title	Credits
MTH 126 4	Calculus II	
3	Literature Sequence	
3	CIS Social Science Elective (3 SH)	
CIS 285 3	Object Oriented Programming	
PHL 206 3	Ethics and Society	
16	Sub-Total Credits	

Total credits:

65