

# COMPUTER SCIENCE

**LENGTH:** Four Semesters

**PURPOSE:** This program is designed for students planning to transfer to a four-year institution and major in Computer Science.

**AREA I ..... WRITTEN COMPOSITION ..... 6 SH**

ENG 101.....	English Composition I .....	3
ENG 102.....	English Composition II .....	3

**AREA II ..... HUMANITIES AND FINE ARTS ..... 12 SH**

Fine Arts Elective.....	ART 100, MUS 101, THR 120, or THR 126.....	3
SPH 107.....	Fundamentals of Public Speaking .....	3

**Choose one of the following courses:..... 3**

ENG 271 or ENG 272.....	World Literature I or World Literature II or
ENG 261 or ENG 262.....	English Literature I or English Literature II or
ENG 251 or ENG 252.....	American Literature I or American Literature II

**Note:** Students must complete a 6 SH sequence in either literature (AREA II) or history (AREA IV). If the literature sequence is not chosen, the student must choose 3 SH of a Humanities Elective.

Humanities Elective.....	ART, MUS, REL, PHL, THR, or Foreign Language.....	3
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**AREA III ..... NATURAL SCIENCES AND MATHEMATICS ..... 11 SH**

MTH 112 or higher.....	Precalculus Algebra.....	3
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**Choose one of the following sequences:..... 8**

BIO 101 & BIO 102.....	Introduction to Biology I & Introduction to Biology II or
BIO 103 & BIO 104.....	Principles of Biology I & Principles of Biology II or
CHM 111 & CHM 112.....	College Chemistry I & College Chemistry II or
PHS 111 & PHS 112.....	Physical Science I & Physical Science II or
PHY 201 & PHY 202.....	General Physics with Trig I & General Physics with Trig II

**AREA IV ..... HISTORY, SOCIAL, AND BEHAVIORAL SCIENCES ..... 12 SH**

**Choose one of the following courses:..... 3**

HIS 101 or HIS 102.....	Western Civilization I or Western Civilization II or
HIS 121 or HIS 122.....	World History I or World History II or
HIS 201 or HIS 202.....	U.S. History I or U.S. History II

**Note:** Students must complete a 6 SH sequence in either literature (AREA II) or history (AREA IV). If the history sequence is not chosen, the student must choose 9 SH of Social Science Electives.

Social Science Electives.....	ANT, ECO, GEO, POL, PSY, or SOC.....	9
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**AREA V ..... PRE-PROFESSIONAL, MAJOR, AND ELECTIVE COURSES ..... 21 SH**

ORI 101.....	Orientation to College .....	1
MTH 113.....	Precalculus Trigonometry.....	3
MTH 125.....	Calculus I.....	4
MTH 126.....	Calculus II.....	4
CIS 251.....	C++Programming .....	3
CIS 252.....	Advanced C++ Programming.....	3
CIS 285.....	Object Oriented Programming .....	3

**Total Hours ..... 62 SH**

Students should consult their transfer institution or the STARS templates at [www.coastalalabama.edu](http://www.coastalalabama.edu). See an academic advisor for assistance.