

Program:	Computer Science - Associate in Arts (AA) Degree
Meta-major:	Science, Technology, Engineering, & Math (STEM)

	Fall Year 1	Winter Year 1	Spring Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Spring Year 2
	***CS 101 (formerly CO SCI 103) INTRODUCTION TO COMPUTER SCIENCE <i>Also fulfills Area B2 requirement</i> 3 units	To reduce units in primary terms, it is suggested to take a GE course (3 units)	***CS 103 (formerly CO SCI 104) MATHEMATICS FOR PROGRAMMERS 3 units	To reduce units in primary terms, it is suggested to take a GE course (3 units)	CS 116 (formerly CO SCI 139) PROGRAMMING IN C++ <i>Prerequisite: CS 101 or CS 111 or CO SCI 103 or CO SCI 108</i> or CS 113 (formerly CO SCI 141) PROGRAMMING IN JAVA (<i>Prerequisite: CS 101 or CS 111 or CO SCI 103 or CO SCI 108</i>) 3 units	To reduce units in primary terms, it is suggested to take a GE course (3 units)	***CS 130 (formerly CO SCI 117) INTRODUCTION TO COMPUTER ARCHITECTURE AND ORGANIZATION <i>Prerequisite: CS 113 or CS 116 or CO SCI 139 or CO SCI 141</i> 3 units
	***CIS 111 (formerly CO SCI 134) SUPPORTING WINDOWS DESKTOPS 3 units		***CS 102 (formerly CO SCI 107) PROGRAMMING LOGIC AND DESIGN (INTRODUCTION TO PROGRAMMING) 3 units		***CIS 219 (formerly CO SCI 186) INTRODUCTION TO ORACLE: SQL AND PL/SQL 3 units		CS 136 (formerly CO SCI 136) INTRODUCTION TO DATA STRUCTURES <i>Prerequisite: CS 113 or CS 116 or CO SCI 139 or CO SCI 141</i> 3 units
	Area D2: Communication and Analytical Thinking <i>Suggested:</i> MATH 125 INTERMEDIATE ALGEBRA <i>Prerequisite: MATH 115</i> or Equivalent or higher level MATH course 3 - 6 units		Area D1: English Composition ENGLISH 101 COLLEGE READING AND COMPOSITION I <i>Prerequisite: ENGLISH 028 or ESL 008 or Placement by multiple measures; Advisory: ENGLISH 108</i> 3 units		*Area A: Natural Sciences <i>Suggested: Any CHEM or PHYSICS course</i> 3 - 5 units		*Choose additional course See listing of Full CSU GE or IGETC for suggestions 3 units
	*Area E1: Health Choose any 3 units		*Area B1: American Institutions Choose any 3 units		*Choose additional course See listing of Full CSU GE or IGETC for suggestions 3 units		*Choose additional course See listing of Full CSU GE or IGETC for suggestions 1 - 3 units
	*Area E2: Physical Education Activity (non-classroom) Choose any <i>Only if not satisfied in Area E1 by taking HEALTH 002</i> 1 unit		*Area C: Humanities Choose any 3 - 5 units		*Choose additional course See listing of Full CSU GE or IGETC for suggestions 3 units		*Choose additional course(s) if needed to reach 60 units See listing of Full CSU GE or IGETC for suggestions 1 - 6 units
Semester Units:	12 to 16		15 to 17		15 to 17		As needed to reach at least 60 total units

*For the complete list of LACC General Education requirements, see the LACC Catalog, p.72. Area D1: English Composition (English 101) and Area D2: Communication and Analytical Thinking should be taken within the first year. All other GE courses can be taken in any semester. If appropriate, English and Math can be taken in the same semester.

Students who feel they need additional support in order to be successful in English and math should see a counselor for information about support courses, tutoring services, and boot camps.

***Note: On approval by the CSIT discipline, students may use MATH 262, 263 and PHYSICS 102, 103 as a substitute to any of the CO SCI requirements above except CO SCI 139, CO SCI 141, and CO SCI 136 as long as a minimum of 18 CO SCI course units are met.

Major Units:	24 (3 units also fulfill GE requirements)
General Education (GE) Units (21 unit minimum):	21 to 29
Additional Units:	10 to 18
Total Units (60 unit minimum):	60



SUGGESTED ADDITIONAL COURSES FOR FULL CSU GE OR IGETC

- (a) PHILOS 005 CRITICAL THINKING AND COMPOSITION (*Prerequisite: ENGLISH 101*) to meet IGETC Area 1B
- (b) MATH 260 PRECALCULUS (*Prerequisite: MATH 240 or 258 or placement by multiple measures*) or MATH 261 CALCULUS I (*Prerequisite: MATH 260 or placement by multiple measures*) to meet IGETC Area 2
- (c) Additional SOC SCI, HUMAN, and sciences courses to meet the 7-course pattern for UCs