

CS & CIS Alignment Matrices

New CS and CIS Names for CO SCI Courses

Starting with the Fall 2020 and Fall 2021 semesters, LACC is replacing the current CO SCI courses and some of the CO TECH courses (shown in red in the CIS table below) with new course names and numbers to closely align them with the Computer Science (CS) and Computer Information Systems (CIS) disciplines. The new CS and CIS courses, however, remain equivalent to the former CO SCI and CO TECH courses. As a reference, below is a list of the CS and CIS courses along with the former CO SCI and CO TECH numbers. Please keep this list handy when registering and feel free to share it with other students.

Course	#	Computer Science (CS) Courses	Prerequisites / Corequisites	Formerly
CS	101	INTRODUCTION TO COMPUTER SCIENCE		CO SCI 103
CS	102	PROGRAMMING LOGIC AND DESIGN (INTRODUCTION TO PROGRAMMING)		CO SCI 107
CS	103	MATHEMATICS FOR PROGRAMMERS		CO SCI 104
CS	111	PROGRAMMING IN VISUAL BASIC		CO SCI 108
CS	211	ADVANCED VISUAL BASIC PROGRAMMING	CS 101 or CS 111	CO SCI 138
CS	112	PROGRAMMING IN JAVASCRIPT	CIS 148	CO SCI 162
CS	113	PROGRAMMING IN JAVA (C-ID = 112 Intro to Programming)	CS 101 or CS 111	CO SCI 141
CS	213	ADVANCED PROGRAMMING IN JAVA (C-ID = 122 Programming Concepts and Methodology I)	CS 113	CO SCI 142
CS	116	PROGRAMMING IN C++ (C-ID = 112 Intro to Programming)	CS 101 or CS 111	CO SCI 139
CS	216	OBJECT ORIENTED PROGRAMMING IN C++ (C-ID = 122 Programming Concepts and Methodology I)	CS 116	CO SCI 140
CS	119	PROGRAMMING IN PYTHON	CS 101 or CS 111	CO SCI 124
CS	130	INTRO TO COMPUTER ARCHITECTURE AND ORGANIZATION (C-ID = 142 Computer Architecture and Organization)	CS 113 or CS 116	CO SCI 117
CS	131	DISCRETE STRUCTURES FOR COMPUTER SCIENCE (C-ID = 152 Discrete Structures)	PreReq: CS 103 & MATH 125 CoReq: CS 113 or CS 116	CO SCI 166
CS	136	INTRODUCTION TO DATA STRUCTURES (C-ID = 132 Programming Concepts and Methodology II)	CS 113 or CS 116	CO SCI 136
CS	137	PROGRAMMING IN PL/SQL FOR ORACLE	CIS 219	CO SCI 198
CS	143	MOBILE APPLICATION DEVELOPMENT - ANDROID	CS 113	CO SCI 123
CS	144	MOBILE APPLICATION DEVELOPMENT - IOS	CS 116	CO SCI 122
CS	146	APPLE MOBILE APPLICATION DEVELOPMENT II		CO SCI 146
CS	147	APPLE MOBILE APPLICATION DEVELOPMENT III	CS 113 or CS 116	CO SCI 147
CS	157	FULL-STACK WEB APPLICATION DEVELOPMENT	CS 112 and CIS 148	CO SCI 159

Course	#	Computer Information Systems (CIS) Courses	Prerequisites	Formerly
CIS	101	INTRODUCTION TO COMPUTER AND THEIR USES		CO SCI 101
CIS	111	SUPPORTING WINDOWS DEKSTOPS		CO SCI 134
CIS	112	OPERTING SYSTEMS - BEGINNING LINUX		CO TECH 018
CIS	120	INTRODUCTION TO DATABASES		CO SCI 133
CIS	122	ADVANCED SPREADSHEET APPLICATIONS	CS 101 or CIS 101	CO SCI 148
CIS	126	ADOBE DREAMWEAVER (HTML WordPress CSS)	CS 101 or CS 111	CO SCI 151
CIS	128	ADOBE FLASH	CIS 126	CO SCI 152
CIS	145	APPLE MOBILE APPLICATION DEVELOPMENT I		CO SCI 145
CIS	148	INTRODUCTION TO WEB DEVELOPMENT USING HTML AND CSS	CS 101 or CIS 101	CO SCI 158
CIS	151	ANDROID APPS INVENTOR		CO SCI 121
CIS	166	COMPUTER FORENSICS I		CO TECH 029
CIS	170	INTRODUCTION TO ETHICAL HACKING		CO TECH 031
CIS	185	DIRECT STUDY - COMPUTER SCIENCE INFORMATION TECHNOLOGY		CO SCI 185
CIS	192	INTRODUCTION TO CLOUD COMPUTING	CS 101	CIS 192
CIS	193	DATABASE ESSENTIALS IN AMAZON WEB SERVICES	CIS 192	CIS 193
CIS	194	COMPUTE ENGINES IN AMAZON WEB SERVICES	CIS 192	CIS 194
CIS	195	SECURITY IN AMAZON WEB SERVICES	CIS 192	CIS 195
CIS	210	INTRODUCTION TO COMPUTER NETWORKING		CO TECH 004
CIS	211	SECURITY+ CERTIFICATION PREPARATION	CO TECH 004 or CIS 210	CO TECH 016
CIS	212	A+ CERTIFICATION PREPARATION - Hardware		CO TECH 012
CIS	213	A+ CERTIFICATION PREPARATION - Software		CO TECH 014
CIS	214	INTRODUCTION TO NETWORK +	CO TECH 004 or CIS 210	CO TECH 015
CIS	219	INTRODUCTION TO ORACLE: SQL AND PL/SQL		CO SCI 186
CIS	220A	ORACLE DBA PART 1A: ARCHITECTURE AND ADMINISTRATION	CIS 219	CO SCI 187
CIS	220B	ORACLE DBA PART 1B: BACKUP AND RECOVERY	CIS 220A	CO SCI 188
CIS	285	DIRECT STUDY - COMPUTER SCIENCE INFORMATION TECHNOLOGY		CO SCI 285