

PROGRAMMING AND SYSTEMS ANALYSIS 2019-2020

ASSOCIATE IN APPLIED SCIENCE - SCOTTSDALE COMMUNITY COLLEGE

ACADEMIC AND CAREER ADVISEMENT CENTER – 480-423-6539 – WWW.SCOTTSDALECC.EDU/ADMISSIONS/ADVISEMENT

Name _____ Advisor _____ Date _____

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major code 3844

Effective Term: FALL 2019	Dept./ Course	Course Title	Credit Hours	Grade	Comments
Program Notes		Consultation with an Academic Advisor is recommended for course selection			
Required Courses 33-34 Credits					
	GBS151	Introduction to Business	3		
	CIS105	Survey of Computer Information Systems	3		
	CIS126DL CIS126RH +MST150++	Linux Operating System (3) OR Red Hat System Administration I (3) OR Any Microsoft Windows course (3)	3		
	CIS133DA	Internet/Web Development Level I	3		
	+CIS150 +CIS150AB	Programming Fundamentals (3) OR Object-Oriented Programming Fundamentals (3) Recommended for students interested in pursuing iOS CCL are recommended to take CIS150AB.	3		
	+CIS166++	Any Web Scripting course(s)	3		
	+CIS190 CNT140AA +MST140	Introduction to Local Area Networks (3) OR Introduction to Networks (4) OR Microsoft Networking Essentials (3)	3-4		
	+CIS225 +CIS225AB +CIS250	Business Systems Analysis and Design (3) OR Object-Oriented Analysis and Design (3) OR Management of Information Systems (3)	3		
	+CIS119DO +CIS276DA +CIS276DB	Introduction to Oracle: SQL (3) OR MySQL Database (3) OR SQL Server Database (3)	3		
		Select 2 courses for the total of 6 credits:			
	+CIS159 +CIS259 +CIS162++ +CIS163AA +CIS163AA +CIS263AA +CIS165++ +CIS265	Visual Basic Programming I (3) AND Visual Basic Programming II (3) OR Any C Programming: Level I course (3) AND Any C Programming: Level II course OR Java Programming: Level I (3) AND Java Programming: Level II (3) OR Any Mobile Application Development course (3) AND Advanced iOS Application Development (3)	6		
Restricted Electives 6 Credits		Students may not use courses from the Required Courses Area.			
	CIS224	Project Management MS Project for Windows	3		
	+CIS151	Computer Game Development-Level I	3		
	+CIS156	Python Programming: Level I	3		
	+CIS159	Visual Basic Programming I	3		
	+CIS162++	Any C Programming: Level I	3		
	+CIS163AA	Java Programming: Level I	3		
	+CIS165++	Any Mobile Application Development course	3		
	+CIS251	Computer Game Development – Level II	3		
	+CIS259	Visual Basic Programming II	3		
	+CIS262++	Any C Programming: Level II course	3		
	+CIS263AA	Java Programming: Level II	3		
	+CIS265	Advanced iOS Application Development	3		
	GBS211	Legal, Ethical and Regulatory Issues of the Internet Studies	3		
General Education Req 22–27 Credits		Core: 12-17 Credits			
First-Year Composition	+ENG101 +ENG107 +ENG102	First-Year Composition (3) OR First-Year Composition for ESL (3) AND First-Year Composition (3) OR			

	+ENG108	First-Year Composition for ESL (3)	6		
Oral Communication		COM100, COM110, COM225 or COM230	3		
Critical Reading	+CRE101	College Critical Reading & Critical Thinking (3) OR equivalent as indicated by assessment	0-3		
Mathematics	+MAT150 +MAT151 +MAT152	College Algebra/Functions (5) OR College Algebra/Functions (4) OR College Algebra/Functions (3)	3-5		
		Distribution: 10 Credits			
Humanities, Arts and Design		Any approved GE course in Humanities/Arts/Design	3		
Social-Behavioral Sciences	ECN211 ECN212 SBU200	Macroeconomic Principles (3) OR Microeconomic Principles (3) OR Society and Business (3)	3		
Natural Sciences		Any approved GE course Natural Sciences area	4		
		TOTAL CREDITS	61-67		

+Course has a prerequisite

5-2019

Grade of C or better required in the Associate of Applied Science in Programming and Systems Analysis. Completion of this form by an advisor is unofficial; official acceptance of all classes determined by SCC Admissions office.

Programming and Systems Analysis Degree Progression Plan

The following is a list of semester classes for the smoothest path towards successfully completing the degree. Some changes or restrictions may apply.

Semester	Course Title	Credit Hours	Comments
First Semester Courses			
ENG101	First-Year Composition	3	
CIS105	Survey of Computer Information Systems	3	CS
CIS133DA	Internet/Web Development Level I	3	
CIS150 OR CIS150AB	Programming Fundamentals (3) OR Object-Oriented Programming Fundamentals (3) Recommended for students interested in pursuing iOS CCL are recommended to take CIS150AB.	3	
GBS151	Introduction to Business	3	
Second Semester Courses			
ENG102	First-Year Composition	3	
CRE101	College Critical Reading & Critical Thinking (3) OR equivalent as indicated by assessment	0-3	
MAT150 or higher	College Algebra	3-5	
CIS126DL CIS126RH MST150+	Linux Operating System (3) OR Red Hat System Administration I (3) OR Any Microsoft Windows course (3)	3	
CIS119DO CIS276DA CIS276DB	Introduction to Oracle: SQL (3) OR MySQL Database (3) OR SQL Server Database (3)	3	
Any Program Language Level I		3	Recommend CIS165 for iOS Application Development
Third Semester Courses			
CIS 166, OR CIS166AA, OR CIS166AB, OR CIS166AC, OR CIS166AD, OR CIS166AE, OR CIS166AF	Any Web Scripting course(s)	3	
Humanities, Arts and Design		3	HU
ECN211, OR ECN212, OR SBU200		3	SB
Any Program Language Level II		3	C+, Visual Basic Programming, or Java Programming
Restricted Elective		3	
Fourth Semester Courses			
CIS119DO CIS276DA	Introduction to Oracle: SQL (3) OR My SQL Database (3)	3	
CIS225AB	Object-Oriented Analysis and Design	3	
Oral Communication		3	Recommend COM100 or COM110 or COM225 or COM230
Natural Sciences		4	
Restricted Elective		3	

Log in to your Student Center at my.maricopa.edu to view your online Degree Progress Report.