

# PROGRAMMING AND SYSTEM ANALYSIS 2018-2019

## ASSOCIATE IN APPLIED SCIENCE - SCOTTSDALE COMMUNITY COLLEGE

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

Name \_\_\_\_\_ Advisor \_\_\_\_\_ Date \_\_\_\_\_

Program Director: Sheila Brandt (480) 423-6256 CM-406 sheila.brandt@scottsdalecc.edu **major code 3844**

Effective Term: FALL 2017	Dept./ Course	Course Title	Credit Hours	Grade	Comments
<b>Program Notes</b>		Consultation with an Academic Advisor is recommended for course selection			
<b>Required Courses 36-37 Credits</b>					
	ACC111	Accounting Principles	3		
	CIS105	Survey of Computer Information Systems	3		
	CIS224	Project Management Microsoft Project for Windows	3		
	CIS126DA CIS126DL +MST150++	UNIX Operations System (3) <b>OR</b> Linux Operating System (3) <b>OR</b> Any Microsoft Windows Operating System course (3) <b>OR</b>	3		
	+CIS150 +CIS150AB +CIS166++	Programming Fundamentals (3) <b>OR</b> Object-Oriented Programming Fundamentals (3) Any Web Scripting course	3		
	+CIS190 CNT140AA +MST140	Introduction to Local Area Networks (3) <b>OR</b> Introduction to Networks (4) <b>OR</b> Microsoft Networking Essentials (3)	3-4		
	+CIS225 +CIS225AB +CIS250	Business Systems Analysis and Design (3) <b>OR</b> Object-Oriented Analysis and Design (3) <b>OR</b> Management of Information Systems (3)	3		
	+CIS119DO +CIS276DA +CIS276DB	Introduction to Oracle: SQL (3) <b>OR</b> My SQL Database (3) <b>OR</b> SQL Server Database (3)	3		
		<b>Select 2 courses for the total of 6 credits:</b>			
	+CIS151 +CIS159 +CIS162++ +CIS163AA	Computer Game Development – Level I (3) <b>OR</b> Visual Basic Programming I (3) <b>OR</b> Any C Programming: Level I course (3) <b>OR</b> Java Programming: Level I (3)	6		
	+GBS233	Business Communication	3		
<b>Restricted Electives 6 Credits</b>					
	+CIS251	Computer Game Development – Level II	3		
	+CIS259	Visual Basic Programming II	3		
	+CIS262++ +CIS263AA	Any C Programming: Level II course Java Programming: Level II	3		
<b>General Education Req 22–27 Credits</b>		<b>Core: 12-17 Credits</b>			
First-Year Composition	+ENG101 +ENG107 +ENG102 +ENG108	First-Year Composition (3) <b>OR</b> First-Year Composition for ESL (3) <b>AND</b> First-Year Composition (3) <b>OR</b> First-Year Composition for ESL (3)	6		
Oral Communication		COM100, COM110, COM225 or COM230	3		
Critical Reading	+CRE101	College Critical Reading & Critical Thinking (3) <b>OR</b> equivalent as indicated by assessment	0-3		
Mathematics	+MAT150 +MAT151 +MAT152	College Algebra/Functions (5) <b>OR</b> College Algebra/Functions (4) <b>OR</b> College Algebra/Functions (3)	3-5		
		<b>Distribution: 10 Credits</b>			
Humanities, Arts and Design		Any approved GE course in Humanities/Arts/Design	3		
Social-Behavioral Sciences	ECN211 ECN212 SBU200	Macroeconomic Principles (3) <b>OR</b> Microeconomic Principles (3) <b>OR</b> Society and Business (3)	3		
Natural Sciences		Any approved GE course Natural Sciences area	4		
		<b>TOTAL CREDITS</b>	<b>64-70</b>		

+Course has a prerequisite

4-2018

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

# Programming and System 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
<b>First Semester Courses</b>			
ENG101	First-Year Composition	3	
MAT150 or higher	College Algebra	3-5	
CIS105	Survey of Computer Information Systems	3	
ACC111	Accounting Principles I	3	
<b>Second Semester Courses</b>			
ENG102	First-Year Composition	3	
CRE101	College Critical Reading & Critical Thinking (3) <b>OR</b> equivalent as indicated by assessment	0-3	
CIS150	Programming Fundamentals	3	
CIS190	Introduction to Local Area Networks	3	
Oral Communication		3	COM100 or COM110 or COM225 or COM230
<b>Third Semester Courses</b>			
CIS224	Project Management Microsoft Project for Windows	3	
CIS126DL	Linux Operating System	3	
Humanities		3	
Natural Sciences		4	
Any Program Language		3	C+, Visual Basic Programming, or Java Programming
<b>Fourth Semester Courses</b>			
CIS119DO CIS276DA	Introduction to Oracle: SQL (3) <b>OR</b> My SQL Database (3)	3	
CIS225AB	Object-Oriented Analysis and Design	3	
Social-Behavioral Sciences		3	Any approved G.E. Social-Behavioral Science course
Any Program Language		3	C+, Visual Basic Programming, or Java Programming
<b>Fifth Semester Courses</b>			
CIS166++	Any Web Scripting course	3	Any CIS166 course
Any Program Language		3	C+, Visual Basic Programming, or Java Programming
Any Program Language		3	C+, Visual Basic Programming, or Java Programming
GBS233	Business Communication	3	

**You can view your degree progress online on the [my.maricopa.edu](http://my.maricopa.edu) website.  
Log-in and click Degree Progress Report.**