Program Information Report

Mobile Device Programming (CVCSMD)

Advanced Certificate

Program Effective Term: Fall 2016

This program prepares students to develop applications that run on mobile devices such as an IPhone, Ipad or Android phone. This is a rapidly developing market. Students will develop programming skills using the current programming language(s) need to success in jobs such as programmer/analyst.

Program Admission Requirements:

Academic Math Level 4 is required to enroll in CPS 161 and above

Major/Area I	Requirements	TOTAL PROPERTY.	- 31 E	(19 credit	5)
CPS 161	An Introduction to Programming with Java				4
CPS 251	Android Programming Using Java				4
CPS 255	IOS/Apple Programming Fundamentals				4
CPS 256	Advanced IOS/Apple Programming				4
CIS 282 or	Database Principles and Application				
CPS 298	Professional Team Programming			3	3-4
Minimum Cre	edits Required for the Program:				19

PROGRAM PROPOSAL FORM

Preliminary Approval – Check here when using this form for preliminary approval of a program proposal, and respond to the items in general terms.				
	completing this form after the Vice President for Instal, complete information must be provided for each			
Program Name:	Mobile Device Programming	Program Code:		
Division and Department:	ВСТ	EKSMID		
Type of Award:	☐ AA ☐ AS ☐ AAS ☐ Cert. ☐ Adv, Cert. ☐ Post-Assoc. Cert. ☐	CVCSMD		
Effective Term/Year:	Fall 2016	CIP Code:		
Initiator:	Clem Hasselbach	11.0/03		
Program Features Program's purpose and its goals. Criteria for entry into the program, along with projected enrollment figures. Connection to other WCC programs, as well as accrediting agencies or professional organizations. Special features of the program Need Need for the program with evidence to support the stated need. The purpose of this program is to provide our students with program and program is to the growing IPhone and Android platform According to the Bureau of Labor Statistics, the job outlook for developers is expected to grow at a rate of 22% over the next much faster than average! The purpose of this program is to provide our students with program is expected to grow at a rate of 22% over the next much faster than average! The purpose of this program is to provide our students with program is expected to grow at a rate of 22% over the next much faster than average! The purpose of this program is to provide our students with program is expected to grow at a rate of 22% over the next much faster than average! The purpose of this program is to provide our students with program is expected to grow at a rate of 22% over the next much faster than average! The purpose of this program is to provide our students with program is expected to grow at a rate of 22% over the next much faster than average! The purpose of this program is to provide our students with progr				
Program Outcomes/Assessment State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program.	Outcomes 1. Develop Java programs that run on Android devices. 2. Develop Programs that run on IOS/Apple devices.	Assessment method 1. Programming Exercise 2. Programming Exercise		
Include assessment methods that will be used to determine the effectiveness of the program.				

Curriculum List the courses in the program as they should appear in the catalog. List minimum credits required. Include any notes that should appear below the course list.	CPS 161 An Introduction to Programming with Java 4 CPS 251 Android Programming using Java 4 CPS 255 IOS/Apple Programming Fundamentals 4 CPS 256 Advanced IOS/Apple Programming 4 CIS282 Database Principles and Application or CPS298 Professional Team Programming 3 – 4 Total Credits 19 – 20				
Budget	Halifa Halife	START	-UP COSTS	ONGOING COSTS	
Specify program costs in the following	Faculty	\$		\$	
areas, per academic year:	Training/Travel		£	(* C	
	Materials/Resources			, , ,	
	Facilities/Equipment	•			
	Other				
	TOTALS:	\$		\$	
Program Description for Catalog and Web site	This program prepares students to develop applications that run on mobile devices such as an IPhone, IPad or Android phone. This is a rapidly developing market. Students will develop programming skills using the current programming language(s) needed to succeed in jobs such as programmer/analyst.				
Program Information	Accreditation/Licensure -				
	Advisors - Clem Hasselbach, Sandro Tuccinardi				
Advisory Committee -					
	Admission requirements – Academic Math Level 4 is required to enroll in CPS 161 and above				
ς	Articulation agreements -				
	Continuing eligibility requirements -				

Assessment plan:

Program outcomes to be assessed		Assessment tool	When assessment will take place	Courses/other populations	Number students to be assessed
1.	Develop Java programs that run on Android devices	1. Programming Exercise	Winter 2020	All sections of CPS 251	All students
2.	Develop Programs that run on IOS/Apple devices	2. Programming Exercise	Winter 2020	All sections of CPS 256	All students

Scoring and analysis plan:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally-developed rubric, external evaluation, other). Attach the rubric.

Data will be scored using a departmentally-developed rubric

2. Indicate the standard of success to be used for this assessment.

70% of the students will score 75% or better

3. Indicate who will score and analyze the data.

Departmental faculty

Clares Hassolbach Clare Hamllad 12/4/15

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	John Trame	Johnshame	12/7/15
Dean	Kim Hurns	Lowle	12/15/15
Vice President for Instruction Approved for Development Final Approval	Michael Nealon —	unumillihund-	2/12/16
President	Rose Bellanca	Rose S. Bellener	4/6/16
Board Approval			4/26/16