Mobile Apps and Ubiquitous Computing, Undergraduate Certificate

The undergraduate certificate in Mobile Apps and Ubiquitous Computing is a six-course five-course (18 15 credit hours) program. It is designed to provide training in technologies and framework for mobile apps and computing. A minimum GPA of 2.5 is required for admission.

Required Courses:		
CMP SCI 4020	Introduction to Android Apps: Android Fundamentals	3
CMP SCI 4220	Introduction to iOS Programming and Apps	3
CMP SCI 4222	iOS Apps	3
CMP SCI 4792	Mobile and Ubiquitous Computing	3
Elective		
Choose two one of the following courses:		3
CMP SCI 4010	Advanced Web Development with Java	
CMP SCI 4610	Database Management Systems	
CMP SCI 4750	Introduction to Cloud Computing	
Total Hours		15

A minimum of four three courses must be taken in residence in the Department of Mathematics and Computer Science at from UMSL. Courses may be substituted with the permission of the department certificate coordinator. For more information, students can contact the department chair or email info@arch.umsl.edu.

Rationale

Reducing hours to 15 as needed. Renaming to align with the graduate certificate