

Mobile Apps and Computing, Graduate Certificate

The graduate certificate in Mobile Apps and Computing is a ~~five-course~~ ~~four-course~~ (15 12 credit hours) program. It ~~is designed to provide~~ provides training in technologies and frameworks for mobile apps and computing. All students must take three required courses and one additional elective.

A minimum of ~~four~~ ~~three~~ courses must be taken ~~in residence in the Department Mathematics and Computer Science at~~ from UMSL. A ~~minimum of three courses must be at the 5000-level or higher.~~ A maximum of two courses can be used from the 4000-level. Courses may be substituted with the permission of the ~~program~~ certificate coordinator. For more information, students can contact the department chair or email info@arch.umsl.edu.

Core		
CMP SCI 4220	Introduction to iOS Programming and Apps	3
CMP SCI 5020	Android Apps: Android Fundamentals	3
CMP SCI 5792	Mobile Computing, Networking, and Security	3
Electives		
Choose two one of the following:		6 3
CMP SCI 4610	Database Management Systems	
CMP SCI 4792	Introduction to Mobile Computing, Networking, and Security	
CMP SCI 5222	Advanced iOS Apps	
CMP SCI 5750	Cloud Computing	

Total Hours

~~15~~ **12**

Rationale

Updating with a new course and reducing hours to 12 for consistency with other graduate certificates.