

New Program Proposal

Mobile Apps and Computing, Graduate Certificate

The graduate certificate in Mobile Apps and Computing is a five-course (15 credit hours) program. It is designed to provide training in technologies and frameworks for mobile apps and computing.

A minimum of four courses must be taken in residence in the [Department of Mathematics and Computer Science at UMSL](#). A minimum of three courses must be at the 5000-level or higher. Courses may be substituted with the permission of the program director.

Core

CMP SCI 4220	Introduction to iOS Programming and Apps	3
CMP SCI 5020	Android Apps: Android Fundamentals	3
CMP SCI 5222	Advanced iOS Apps	3

Electives

Choose two/three of the following courses **6**

CMP SCI 4610	Database Management Systems
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CMP SCI 4792	Mobile and Ubiquitous Computing
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CMP SCI 5750	Cloud Computing
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Total Hours	15
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Sign-offs from other departments affected by this proposal

Department	Contact Person	Phone #	Objections
S005150	Dinesh Mirchandani		No

Rationale

Graduate certificate, similar an undergraduate certificate, will be used as stand alone or as part of the modified MS program.