

Mobile Apps and Computing Graduate Certificate

The graduate certificate in Mobile Apps and Computing is a four-course (12 credit hours) program. It 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 three courses must be taken from UMSL. A maximum of two courses can be used from the 4000-level. Courses may be substituted with the permission of the certificate coordinator. For more information, students can contact the department chair or email info@arch.umsl.edu.

Core

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|--------------|--|---|
| 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

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|------------------------------|-----------------------------|---|
| Choose one of the following: | | 3 |
| CMP SCI 4610 | Database Management Systems | |
| CMP SCI 5222 | Advanced iOS Apps | |
| CMP SCI 5750 | Cloud Computing | |

Total Hours **12**