MOBILE DESIGN AND DEVELOPMENT

Program Overview

The Mobile Design and Development Program is designed to train students to design and develop mobile applications. Students develop a comprehensive understanding of core design principles and key development strategies, including developing for both the Android and iOS (Apple) mobile devices. Students also gain a basic understanding of database technology used for providing data for apps.

The program trains individuals to become mobile developers. Students learn design theory as well as gain experience in programming for multiple mobile platforms. The training is geared toward students with no experience, but is an excellent opportunity for people changing careers or who wish to take individual courses, to stay current in their existing jobs.

For more information, visit: **www.mchenry.edu/appdev**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Mobile Design and Development

Curriculum: OCC 430	Minimum Credit Hours	Courses	
Written Communication	3	(3) ENG 151 Composition I or (3) ENG 152 Composition II	
Oral Communication	3	(3) SPE 151 Intro to Speech	
Arts Humanities Social Science Behavioral Science	3	(3) GRA 167 Graphic Design I	
Mathematics Physical Science Life Science	3	*Please see page 65 for AAS Degree course options*	
Arts Humanities Social Science Behavioral Science Mathematics Physical Science Life Science	3	*Please see page 65 for AAS Degree course options*	
Total General Education	15		
Program Core	42	(3) DBM 100 Intro to MySQL Database Management Systems (3) DGM 107 Digital Legalities (3) DBM 110 SQL/Database Concepts (3) DGM 152 Interface Design (3) DGM 153 Designing the User Experience (3) DGM 265 Agile Project Management (3) MAD 105 Programming for Android I	(3) MAD 107 Programming for iOS I (3) MAD 155 Programming for Android II (3) MAD 157 Programming for iOS II (3) MAD 255 Programming for Android III or (3) MAD 257 Programming for iOS III (3) PRG 105 Programming Logic (3) PRG 147 JavaScript Programming I (3) WEB 105 Web Fundamentals
Program Electives	3	Select from the following prefixes: GRA MAD PRG WEB	
Total Minimum Degree Credits	60		

Other AAS Graduation Requirements:
- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Android Development Certificate

Curriculum: OCC 432	Credit Hours		
Program Core 6 courses	18	(3) CDM 110 Computer Literacy for Windows (3) DBM 110 SQL/Database Concepts (3) MAD 105 Programming for Android I	(3) MAD 155 Programming for Android II (3) MAD 255 Programming for Android III (3) PRG 105 Programming Logic
Total Degree Credits	18		

For more information, visit: **www.mchenry.edu/android**

Requirements for the iOS Development Certificate

Curriculum: OCC 431	Credit Hours		
Program Core 6 courses	18	(3) DBM 100 Intro to Database Management Systems (3) DGM 265 Agile Project Management (3) MAD 107 Programming for iOS I	(3) MAD 157 Programming for iOS II (3) MAD 257 Programming for iOS III (3) PRG 105 Programming Logic
Total Degree Credits	18		

For more information, visit: **www.mchenry.edu/ios**

Requirements for the Programming Fundamentals Certificate

Curriculum: OCC 433	Credit Hours		
Program Core 6 courses	12	(3) DBM 100 Intro to Database Management Systems (3) DBM 110 SQL/Database Concepts	(3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Program Electives	9	Select from the following prefixes or course numbers: CSC DBM MAD	PRG WEB or DGM 265
Total Degree Credits	21		

For more information, visit: **www.mchenry.edu/programming**

Other Certificate Graduation Requirements:
- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair (815) 479-7511.