COMPUTER INFORMATION SYSTEMS - MOBILE DEVICE APPLICATION DEVELOPMENT, ASSOCIATE OF APPLIED BUSINESS

(Not offered 2024-2025)

Curriculum Code #6639

Effective May 2024

Division of Engineering, Business and Information Technologies (http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/)

The mobile device application development major prepares students to design and develop applications for the mobile device market. Students learn to write applications for modern mobile platforms including the iPhone/iPad and Android (phone and tablet) devices. Students also learn to write web-based applications specifically targeted at mobile devices. Additional topics including database design, computer networking, and systems design complement the focus on mobile computing to provide the student with a well-rounded information technology education. Lorain County Community College has articulation agreements with colleges and universities including programs offered by Lorain County Community College's University Partnership.

First Year

Fall Semester		Hours
CISS 121	MICROCOMPUTER APPLICATIONS I	3
CISS 125	OPERATING SYSTEM INTERFACES [1]	3
CMMC 151	ORAL COMMUNICATION	3
ENGL 161	COLLEGE COMPOSITION I	3
Select one from the following list:		3-4
MTHM 155	TECHNICAL MATHEMATICS I	
MTHM 158	QUANTITATIVE REASONING	
MTHM 171	COLLEGE ALGEBRA	
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY [3]	1
	Hours	**16-17**
Spring Semester		
CISS 145	LOCAL AREA NETWORKS [2]	4
CISS 160	INTRODUCTION TO PROGRAMMING IN C# [2]	4
CISS 216	WEB DEVELOPMENT [2]	3
MKRG 245	SOCIAL MEDIA MARKETING	3
Science Elective (from Transfer Module)		3
	Hours	**17**
Second Year		
Fall Semester		
ACTG 151	ACCOUNTING I - FINANCIAL	4
CISS 143	DATABASE DESIGN AND IMPLEMENTATION [2]	3
CISS 226	INTRODUCTION TO PROGRAMMING IN JAVA	3
CISS 264	INTRODUCTION TO ANDROID PROGRAMMING [2]	3
PSYH 151 or SOCY 151G	INTRODUCTION TO PSYCHOLOGY or INTRODUCTION TO SOCIOLOGY	3
	Hours	**16**
Spring Semester		
ACTG 152	ACCOUNTING II - MANAGERIAL [2]	4
CISS 247	SYSTEMS DEVELOPMENT [2]	3
CISS 260	INTRODUCTION TO IPHONE/IPAD PROGRAMMING [2]	4
CISS 266	ADVANCED ANDROID PROGRAMMING [2]	4
	Hours	**15**
	Total Hours	**64-65**

[1]

Indicates that this course requires a prerequisite or may be taken concurrently.

[2]

Indicates that this course requires a prerequisite.

[3]

A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of 13 or more credit hours.

Before taking any electives, science and/or MTHM classes refer to The University of Akron University Partnership CIS curriculum guide to ensure you take the correct classes towards the CIS Bachelor degree. The University of Akron requires MTHM 171 MTHM 171 & MTHM 174 MTHM 174 or MTHM 155 & MTHM 156 for the bachelor degree.

Program Contact(s):

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mzellers@lorainccc.edu

For information about admissions, enrollment, transfer, graduation and other general questions, please contact your advising team (https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling/).

More program information can be found on our website. (https://www.lorainccc.edu/it/programming-and-software-development/associate-of-applied-business-in-computer-information-systems-mobile-device-application-development/)

Program Learning Outcomes

1. Produce native and web applications for smart-phone and tablet platforms
2. Recognize principles of entrepreneurship
3. Recognize sound software development strategies.