

# COMPUTER INFORMATION SYSTEMS - MOBILE DEVICE APPLICATION DEVELOPMENT, ONE-YEAR TECHNICAL CERTIFICATE

Curriculum Code #6629

Effective May 2017

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

The one-year technical certificate in mobile device application development prepares students to design and develop applications for modern mobile computing platforms including the iPhone/iPad and Android phones and tablets. Students also learn to write web-based applications specifically targeted at mobile devices. The technical courses are complemented by general education courses in composition, communications and mathematics. The credits earned for this certificate may be applied to an associate of applied business degree in mobile device application development. Lorain County Community College has articulation agreements with colleges and universities including programs offered by Lorain County Community College's University Partnership.

Course	Title	Hours
<b>Fall Semester</b>		
CISS 121	MICROCOMPUTER APPLICATIONS I	3
CISS 160	INTRODUCTION TO PROGRAMMING IN C# <sup>1</sup>	4
CISS 216	WEB DEVELOPMENT <sup>1</sup>	3
ENGL 161	COLLEGE COMPOSITION I	3
MTHM 151 or MTHM 158	COLLEGE MATHEMATICS <sup>1</sup> or QUANTITATIVE REASONING	3
SDEV 101	COLLEGE 101 <sup>2</sup>	1
	Hours	17
<b>Spring Semester</b>		
CISS 260	INTRODUCTION TO IPHONE/IPAD PROGRAMMING <sup>1</sup>	4
CISS 264	INTRODUCTION TO ANDROID PROGRAMMING <sup>1,3</sup>	3
CISS 268	MOBILE WEB DEVELOPMENT <sup>1,3</sup>	4
CMMC 151	ORAL COMMUNICATION	3
ENGL 162	COLLEGE COMPOSITION II <sup>1</sup>	3
	Hours	17
	Total Hours	34

<sup>3</sup> This course offers an opportunity for experiential learning.

Program Contact(s):

**Mike Zellers**  
440-366-4796  
mzellers@lorainccc.edu

For information about admissions, enrollment, transfer, graduation and other general questions, please contact your Advising and Counseling Team (<https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling>). (<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/mobile-device-application-development-one-year-certificate>)

<sup>1</sup> Indicates that this course requires a prerequisite.

<sup>2</sup> 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.