

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Mobile Application Developer  
Certificate of Achievement

Curriculum Code: 1712 (Effective Fall 2016 – Summer 2021)

This certificate provides students with an understanding of mobile applications (apps) and how these applications are utilized and integrated to meet specific business needs. The coursework builds a solid foundation of software development skills and introduces the specific skills needed for developing mobile applications. Students will also develop skills in the design of Android and iOS software systems, using appropriate technologies, architectures and techniques. This course work may be applied toward completion of the Computer Programmer/Analyst, Associate in Business Degree (0113).

### PREREQUISITES

Students should see [Course Descriptions](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

### INFORMATION

Contact the Computer Information Technologies, West Campus Building, Room M103, telephone number (517) 267-6406 (Website: [www.lcc.edu/cit/programming](http://www.lcc.edu/cit/programming)) or the Academic Advising Center, Gannon Building – StarZone, telephone number (517) 483-1904.

### REQUIREMENTS (See Note 1)

CODE	TITLE	TOTAL: 17 CREDITS CREDIT HOURS
CITP 110	Intro to Computer Programming	4
CITP 130	Intro to Mobile App Devel	3
CITP 230	Mobile App Devel for Android	4
CITW 150	Internet Literacy	3
CITW 160	Web Site Dsgn & Development I	3

### LIMITED CHOICE REQUIREMENTS

**TOTAL: 13 CREDITS**

Complete the indicated number of credits from **EACH CHOICE** listed below.

#### CHOICE 1: Business and Computer Related (See Note 1)

**13 Credits**

##### Business Related

ARTS 102	Design and Communication	3
WRIT 124	Technical Writing	3

**Computer Related**

CITD 120	SQL Concepts	2
CITF 140	Information Technology Ethics	3
CITP 140	Software Testing	3
CITP 150	Intro to VB.NET Programming	4
CITP 180	Intro C#.NET Programming	4
CITP 190	Intro to Programming in JAVA	4
CITP 220	Game Design & Development	2
CITP 229	Special Topics in Programming (See Note 2)	.25-6
CITP 235	Mobile App Devel for Apple	4
CITW 165	Web Site Dsgn & Development II	3
CITW 185	PHP Web Development	4
CITW 227	Web Independent Study (See Note 2)	.25-4
CITW 229	Special Topics/Web (See Note 2)	.25-6
<b>MINIMUM TOTAL</b>		<b>30</b>

**NOTES:**

1. Prerequisite may be waived based on experience. See a Computer Information Technologies program advisor prior to registration for more information.
2. Contact a Computer Information Technologies program advisor for topics that will apply toward this curriculum.
3. Students must complete each CIT\_ course with a minimum grade of 2.0 to receive this certificate of achievement.

**SUGGESTED COURSE SEQUENCE**

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor for help with adjustments.

<b>I</b>	<b>II</b>	<b>III</b>
CITP 110	CITP 130	CITP 230
CITW 150	CITW 160	Lim. Ch.
Lim. Ch.	Lim. Ch.	Lim. Ch.