Mobile Application Developer C.A.

Career Community: Computer Technology Networking
Curriculum Code: 1712
Effective: Fall 2022 – Summer 2027
Revised: 6/28/22

Description

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 of Business degree (0113).

Milestone

Completion of CITP 130 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in this course is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in this course.

Contact Information

Contact the Computer Information Technologies Program at the West Campus Building, Room M103, telephone number 517-267-6406 or Student Services West Campus, West Campus Building, Room M016, telephone number 517-267-5452.

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
CITP 110	Intro to Programming-Python	4 / 4
CITP 130	Intro to Mobile App Devel	3 / 3
CITP 180	Intro to C#.NET Programming	4 / 4
CITP 230	Mobile App Devel for Android	4 / 4
CITP 235	Mobile App Devel for Apple	4 / 4
CITW 150	Internet Literacy	3 / 3
CITW 160	Web Development HTML & CSS	3 / 3

Program of Study Required Courses, Limited Choice - *Select three or four courses for a minimum of nine credits*

Course Code	Course Title	Credit / Billing Hours
CITD 120	SQL Concepts	3 / 3
CITF 140	Information Technology Ethics	3 / 3
CITP 140	Software Testing	3 / 3

Course Code	Course Title	Credit / Billing Hours
CITP 190	Intro to Programming in JAVA	4 / 4
CITP 220	Game Design & Development	2 / 4
CITW 165	Web Development JavaScript	3 / 3
CITW 185	Web Development PHP & MySQL	4 / 4

Minimum Total Credit Hours

34 credits / 34 billing hours

Recommended Course Sequence

Semester I
CITP 110
CITW 150
Limited Choice

Semester II
CITP 130 – Milestone course
CITP 180
CITW 160
Limited Choice

Semester III
CITP 230
CITP 235
Limited Choice

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.