Mobile Application Developer C.A.
Career Community: Computer Technology Networking
Curriculum Code: 1712
Effective: Fall 2025 – Summer 2030

Purpose of the Major

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.

Additional Information

A student must earn a minimum grade of 2.0 in all courses.

Contact Information

For further information, including career options, course substitutions and waivers, etc., 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.

Major 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 160	Web Development HTML & CSS	3 / 3

Major Required Courses, Limited Choice - *Select three courses for a minimum of nine credits*

Course Code	Course Title	Credit / Billing Hours
CITD 120	SQL Concepts	3 / 3

Course Code	Course Title	Credit / Billing Hours
CITF 140	Information Technology Ethics	3 / 3
CITP 140	Software Testing	3 / 3
CITP 190	Intro to Programming in JAVA	4 / 4
CITW 150	Internet Literacy	3 / 3
CITW 165	Web Development JavaScript	3 / 3
CITW 185	Web Development PHP & MySQL	4 / 4

Additional Credits

After completing the course and credit requirements as noted on this pathway, students who fall short of the 30-credit minimum required for a Certificate of Achievement may select any course(s) needed to reach 30 credits, except those courses noted in number 7 in the Institutional Requirements for Certificates of Achievement. Students are encouraged to use Degree Works and meet with an Advisor to ensure all requirements are met and for course recommendations.

Minimum Total Credit Hours

31credits / 31 billing hours

Recommended Course Sequence

Semester I
CITP 110
Limited Choice
Limited Choice

Semester II
CITP 130 – Milestone course
CITP 180
CITW 160

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 titles, and make course changes as needed, without prior notice. The College also reserves the right to discontinue programs when warranted.