



### **Computer Programmer - Mobile Applications Development**

College Credit Certificate | Code: 66036 | 36 Credits

CIP (0511020200)

**Effective Term: Spring 2025 (2253)**

The College Credit Certificate program is designed to provide an opportunity to establish a foundation in computer programming for employment in scientific, commercial, industrial and government data processing applications. The Mobile Applications Development concentration additionally offers hands-on instruction with current technology for Apple and Android mobile device platforms. Graduates are prepared for roles in app development.

#### **MAJOR COURSE REQUIREMENTS (16.00 Credits)**

CGS 1060C	Introduction to Computer Technology and Applications	(4 credits)	
CGS 1540C	Database Concepts and Design	(4 credits)	
COP 1334	Introduction to C++ Programming	(4 credits)	
COP 2800	Java Programming	(4 credits)	Prerequisites: COP 1047C, COP 1334 or COP 2270

#### **PROGRAM CONCENTRATION CORE (16.00 Credits)**

COP 2654	iPhone Application Development 1	(4 credits)	Prerequisite: COP 1332 or COP 1334
COP 2658	iPhone Application Development 2	(4 credits)	Prerequisite: COP 2654
COP 2660	Android Application Development 1	(4 credits)	Prerequisite: COP 2800
COP 2662	Android Application Development 2	(4 credits)	Prerequisites: COP 2660 and COP 2800

#### **PROGRAM ELECTIVES (4.00 Credits)**

CAI*, CEN*, COP*, CTS*		
CGS 2091	Professional Ethics and Social Issues in CS	(4 Credits)
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CIS 2331	Systems Analysis, Design and Implementation	(4 credits)
EET 1033C	Electrical Fundamentals	(4 Credits)
GEB 1432	Applied Artificial Intelligence (AI) in Business	(4 credits)
PHI 2680	Artificial Intelligence (AI) Ethics	(3 credits)