



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)

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|-----------|--|-------------|--|
| 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)

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|----------|-----------------------------------|-------------|--------------------------------------|
| 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)

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|------------------------|--|-------------|
| 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) |