

COMPUTER TECHNOLOGIES

Mobile Applications Developer

Mobile Applications Developer Degree – A25590MA

-Day and Online

The Web Technologies curriculum prepares graduates for careers in the information technology arena using computers to disseminate and collect information via the web.

Course work in this program covers web design, web scripting and markup, databases, web programming, e-commerce, web content management systems as well as mobile applications development and UI/UX. Studies will provide opportunity for students to learn using industry standard software and technologies.

Graduates should qualify for career opportunities as designers, programmers, or developers in the areas of web development, web design, web services, mobile application development and other related areas.

The Mobile Applications Developer Degree covers the developing of mobile content, both apps (applications) and websites. Focus is on iOS and Android operating systems.

Program Sequence

FIRST FALL SEMESTER

CIS 115	Intro to Prog Logic	3
CTI 110	Web, Pgm and DB Foundation.....	3
DBA 110	Database Fundamentals	3
WEB 110	Internet / Web Fundamentals	3
— —	MAT 121, 143, 152 or 171.....	3

FIRST SPRING SEMESTER

CSC 118	Swift Programming	3
CSC 151	Java Programming	3
WEB 115	Web Markup and Scripting.....	3
WEB 141	Mobile Interface Design.....	3
ENG 111	Expository Writing	3

FIRST SUMMER SEMESTER

CTI 120	Network & Sec Foundation.....	3
WEB 215	Advanced Markup and Scripting	3

SECOND FALL SEMESTER

WEB 125	Mobile Web Design	3
SGD 168	Mobile SG Programming I	3
CTI 120	Network & Sec Foundation.....	3
WEB 151	Mobile Applications Dev I	3

SECOND SPRING SEMESTER

CSC 218	Swift Programming II	3
CSC 154	Software Development	3
WEB 151	Mobile Applications Dev I	3
— —	ECO 251 or ECO 252.....	3
— —	COM 120 or COM 231	3

SECOND SUMMER SEMESTER

CTS 115	Information Sy Business Concepts	3
WEB 251	Mobile Applications Dev II	3
WEB 289	Internet Technologies Project.....	3
— —	WEB 140 or WBL 112	2
— —	HUM 110 or HUM 115 or PHI 240.....	3

Completion Requirements 65 Credit Hours

* Work based education is an elective. Students must have approval from the Program Director and pre-register with the Work-Based

Learning Office. The work may be done over any number of semesters, but the total elective credits must add up to 7 for electives 1, 2 and 3.

Android Application Developer Certificate - C25590MA

– Online

This Certificate covers the development of apps for Android devices.

CIS 115	Intro to Prog to Logic	3
CSC 151	JAVA Programming	3
WEB 141	Mobile Interface Design	3
WEB 151	Mobile Application Dev I	3

Completion Requirements 12 Credit Hours

iOS Application Developer Certificate - C25590MI

-Day and Online

This Certificate covers the development of apps for iOS devices.

CIS 115	Intro to Prog to Logic	3
CSC 118	Swift Programming I	3
CSC 218	Swift Programming II	3
WEB 141	Mobile Interface Design	3
WEB 289	Internet Technologies Project.....	3

Completion Requirements 15 Credit Hours