IT-MOBILE PROGRAMMER

Overview

IT-Mobile Programmer Technical Diploma

Program Code: 31-152-1

For more information: wctc.edu/mobile-programmer (http://www.wctc.edu/mobile-programmer/)

Mobile programmers develop and program mobile applications and games. Gain valuable technical skills to design and create mobile applications for Android and iOS devices, as well as web-based applications for any mobile device with a browser. This program is designed for those with some industry/educational experience who are looking to strengthen their skill set.

The minimum required course grades and program grade point average (GPA) for students under this catalog are:

Core Courses = C
General Studies Courses = C
Program GPA = 2.0

Build your degree along a career pathway. Start with a couple of courses or an entry-level credential to enter the job market in your area of interest, then continue with higher credentials on your educational path for job advancement and higher wages.

Career Pathway

1. IT Software Development Specialist 18
2. IT Mobile Programmer 27
3. IT Web and Software Developer 64

Related Certificate you can earn along the way.

- Java Programming Technical Certificate (https://catalog.wctc.edu/programs/java-programming/)

Learning Outcomes
Program Outcomes

1. Design mobile applications.
2. Utilize essential database technologies.
3. Develop mobile user interfaces.
4. Develop basic applications.

Critical Life Skills

To help our students prepare for success in a workplace and society that is **increasingly global, multi-cultural, and collaborative,** all students are given opportunities to develop and demonstrate Critical Life Skills, both in and out of the classroom. The following Critical Life Skills are learning outcomes for WCTC students.

- **Communication:** Demonstrate appropriate communication.
- **Critical Thinking/Problem Solving:** Demonstrate critical thinking skills to analyze situations and solve problems.
- **Relationships:** Demonstrate effective interpersonal skills.
- **Self-management:** Demonstrate responsible and respectful behavior.

Required Courses

Listed below are the required courses for the program. To view the recommended sequence for taking courses click on the plan of study tab(s) above. Work with your Academic Advisor to design a program plan!

View your **Program Matrix** to find out when each course will be offered (term and time of day).

Code	Title	Credits
Core Courses		
152-103	Mobile Application Development	2
Approved Substitute: 152-137 OR 152-142		
152-105	Intro to Web Development	2
Approved Substitute: 201-110		
152-109	.Net Web Development	4
152-112	Intro to Programming with C#	3
152-168	JavaScript	3
Approved Substitute: 152-169		
152-179	JavaScript 2	4
156-101	.Net Database Programming	3
156-108	Intro to Databases & Reporting	1
Approved Substitute: 152-115		
156-109	Intro to SQL	2
Approved Substitute: 152-115		
General Studies		
804-133	Math & Logic	3
Approved Substitutes: 804-118 OR 804-116 OR 804-195 OR 804-198		
Total Credits		**27**

Full-time Plan

First Year

Fall Term 1		Credits
152-105	Intro to Web Development	2
152-112	Intro to Programming with C#	3
156-108	Intro to Databases & Reporting	1
	Credits	**6**
Fall Term 2		
152-168	JavaScript	3
156-109	Intro to SQL	2
804-133	Math & Logic	3
	Credits	**8**
Spring Term 1		
152-109	.Net Web Development ^This course will run 16 weeks.	4
156-101	.Net Database Programming ^This course will run 16 weeks.	3
	Credits	**7**
Second Year		
Fall Term 1		
152-179	JavaScript 2 ^This course will run 16 weeks.	4
	Credits	**4**

Fall Term 2

152-103	Mobile Application Development	2
	Credits	**2**
	Total Credits	**27**