

### >> Course Overview

In this course, students will learn about Swift App development and its components. Apple developed the powerful and user-friendly programming language Swift for creating iOS, Mac, Apple TV, and Apple Watch apps. Developers have more freedom than ever before, and the open-source app allows anyone with an idea to create something incredible. From planning to navigation to building, students will learn how to take an idea and create something potentially revolutionary!

### >> Course Outline by Module

<b>Module 1</b>	Planning, Design, and Theory
<b>Module 2</b>	Project Navigation
<b>Module 3</b>	Interface Builder/iOS
<b>Module 4</b>	Functions, Operators, and Structures
<b>Module 5</b>	Arrays
<b>Module 6</b>	Enumerations and Naming Conventions
<b>Module 7</b>	Debugging

### >> Course Elements



Video Instruction



Reflections



Interactives



Concept Checks



Reading



Quizzes and Exams



Projects



### >> Instructional Components

Pointful Education Courses are structured in a consistent, research-based format utilizing multiple pedagogical concepts such as Understanding by Design, Growth Mindset, and Video and Project-based learning. Through the use of these pedagogical concepts, Pointful Education maintains a consistent and engaging course structure that supports student-centered learning.

### >> Course Materials

This course requires specific external software. The purpose is to provide students with hands-on learning opportunities in which they gain experience working with the software related to the course. This will ensure students have the necessary experience and task-based practice required for success on the certification exam. Course Materials: Swift.