

# CPE SOCIALMEDIA/ MOBILEDEV (LCW)

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## **LCW 0003 - AWS Systems Operations (1.5 Credits)**

*1 lecture, 1 lab, 0 clinical/other, 2 total contact hours*

This course covers the duties of those responsible for implementing, managing, and maintaining computer systems and a networking architecture in the Amazon Web Services (AWS) cloud environment platform. AWS supports an array of cloud service models, including Infrastructure-As-A-Service, Platform-As-A-Service, and Software-As-A-Service. The course provides students with the tools and knowledge they need to support existing cloud resources incorporated in these service models or on-premises resources that will eventually migrate to the cloud. Prerequisites: AWS Fundamentals and CompTIA Network+ or equivalent experience.

## **LCW 0004 - IOS Mobile App Development (1.5 Credits)**

*1 lecture, 1 lab, 0 clinical/other, 2 total contact hours*

Expand your iOS App Development programming skills with Swift specialization. Apply your new expertise to authentic app development projects. Covers Xcode basics, Core iOS and Cocoa Touch frameworks, simple user interface creation, MVC architecture, and much more. Focuses on using Apple's components to access GPS and maps. By the end of this course, you will be able to create a basic Weather App using live data from the internet.

## **LCW 8510 - IOS App Development (3 Credits)**

*2 lecture, 2 lab, 4 total contact hours*

This course prepares students to build mobile apps for Apple mobile devices using the language and tools, Swift and Xcode. Participants will apply MobileMakersEdu technologies to build an app, analyze error in code, and problem solve. This course provides a portfolio of apps and collection of skills that align with a professional workplace.

## **LCW 8602 - AWS Certified Solutions Architect (1.5 Credits)**

*1 lecture, 1 lab, 2 total contact hours*

Covers the duties of those responsible for implementing, managing, and maintaining computer systems and a networking architecture in the Amazon Web Services (AWS) cloud environment platform as well as preparing students to take the AWS Certified Solutions Architect - Associate certification exam. Supports an array of cloud service models, including Infrastructure-As-A-Service, Platform-As-A-Service, and Software-As-A-Service. Introduces the tools and knowledge needed to support existing cloud resources incorporated in these service models or on-premises resources that will eventually migrate to the cloud. A credit card will be required to open an AWS account. The charges accrued during this class will be minimal if any. Recommended Preparation: Basic knowledge of operating systems like Windows OS, MacOS and/or Linux, networking, virtualization and comfortable working on the command line.

**Typically offered:** Fall, Spring, Summer