

CATALOG ADDENDUM

2020 – 2021

Academic Catalog

BSC publishes a full catalog every year.

The Addendum contains important information regarding changes or additions to the existing catalog. This addendum is to be used in conjunction with the 2020 – 2021 Academic Catalog.

Updated: January 2021



Mobile Application Development

New program added to 2020 – 2021 Academic Catalog

First Term Offered: Spring 2021

Program Description

As the number of mobile devices owned by individuals continues to multiply, user demand is driving the need to improve web and computing access on smaller units in addition to traditional personal computer platforms. Additionally, the growth in popularity of cloud computing has improved the functionality of these devices to perform more complex operations. These changes have increased the necessity for developers with experience across multiple platforms, including iOS and Android. Students will learn the fundamental principles and frameworks necessary for a career in mobile application development and will gain the knowledge and skills necessary to succeed in their careers in an industry involving the constant development of new technology.

Curriculum integrates HTML, SQL, Python, JavaScript, iOS, and Android. Students may complete the certificate requirements completely online.

Preparation

Successful Mobile Application Development students will demonstrate critical thinking skills, problem solving and troubleshooting, creativity, self-motivation, adaptability, and written and oral communications.

Minimum computer skills requirements

Interested students must have basic file management skills, including saving, uploading, downloading, and file locations. Students will need access to a Mac computer for the iOS course; all other courses can be completed using a PC.

Program Requirements

Those who complete the required 18-credit curriculum will receive a Mobile Application Development certificate. Several courses in the Mobile Application Development certificate may be applied toward the Web Page Development and Design degree program.

Career Opportunities

U.S. News & World Reports 100 Best Jobs: Ranks Software Developer #1 in 100 Best Jobs, #1 in Best Stem Jobs, and #1 in Best Technology Jobs. The need for mobile app developers are in high demand and will continue to be in high demand in the future! According to the Department of Labor, employment of software developers is projected to grow 17 percent through 2024.

Possible career opportunities are Mobile Application Developer, Educational Application Developer, Social Media Application Developer.

Contact

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Mobile Application Development Degree Plan

Program Certificate

Total Degree Credits		18
Prescribed Technical Program Requirements		
CIS 154	Web Design Theory	3
CIS 185	Introduction to Programming	3
CIS 186	Mobile Applications I ¹	3
CIS 187	Mobile Applications II	3
CIS 204	Database Design and Structured Query Language (SQL)	3
CIS 250	Advanced Web Design	3
	Total Credits	18

¹ Students must have access to a Mac computer.

College Degree Requirements