Don’t just learn what’s now – learn what’s next

When you learn a new language, you also learn a new culture. Programming languages are no different, which is why our Python certificate program will expand what you already know about programming and teach you how to apply that knowledge in the business world through web development, application programming and analytics.

While recognizing that Python is among the industry’s most widely used languages, we don’t stop there. You’ll also learn to integrate Python into other systems while also imagining its potential, bridging the past, present and future of programming.

Courses: 3
1. Introduction to Python Programming (24 hours)
2. Web Development and Application Programming (24 hours)
3. Data Structures, Mining and Analytics Using Python (24 hours)

Time Commitment: 8-10 Months

Our cohort model lets you plan ahead for your certificate program and complete it in one academic year, about 33 weeks, depending on the time between courses and holidays.

Average Cost: $2,880

When you invest in us, you can do it knowing we’ve invested in you as well, with instructors who are leaders in their fields and state-of-the-art facilities that will help you make a successful transition from the classroom to the next step of your career.

*This is an approximate cost of completing the certificate program at 2016-2017 tuition rates. Tuition is subject to change at any time without further notice.

Ready to take the next step?
You can register for the program at extension.fullerton.edu/python

Questions?
Program Developer Lauren Henderson will be happy to speak with you; she can be reached at (657) 278-3203 or lahenderson@fullerton.edu.
1. Introduction to Python Programming

This course will introduce students to the Python programming language with an overview of the basic functionalities of the language. Course topics will include program structure and syntax, basic Python data types and structures. Through carefully guided course work, live code examples, and real-world programming assignments, students will acquire broad fundamental Python programming knowledge and skills.

2. Web Development and Application Programming

This course is designed to help students develop Python programming skills in web development and application programming. The course will begin with an overview on classes and object-oriented programming in Python. The course will provide opportunity for students to apply Python language in network programming, web services development, GUI programming, and data visualization. Students will learn the architecture of a web application and using highly integrated frameworks, such as Django, to build back-end contents.

3. Data Structures, Mining, and Analytics Using Python

In this class, students will build on the skills learned in the introductory class and focus on Python simple data structures. Course topics will include queries and data gathering data, as well as using Python to conduct data analytics and data mining. In addition, students will have the opportunity to develop data visualization and graphics tools for Python using real-life examples. Students will develop an understanding in big data concepts and use Python in predictive analytics.