Programming Languages

A **programming language** is used in computer programming as a formal language. They consist of sets of instructions for computers in order to implement algorithms. **High-level languages**, such as Python, Java, and C++, are independent of hardware. They're translated using a compiler or translator. **Assembly Language** and **Machine Code** are low-level languages. Assembly is translated with an assembler and Machine Code is an executable binary code.

Popular Programming Languages

Python
Wide variety of applications including data science, financial services, and artificial intelligence.

JavaScript
Extensive use in website and mobile application development.

Java
Android mobile operating system, along with business applications.

C#
Microsoft and Windows application development, as well as mobile devices and video game consoles.

PHP
Content-oriented websites, such as Wikipedia, WordPress, and Facebook.

C++
Many uses from mathematical simulations to computer games.

Swift
Used for iOS and macOS applications

Go
Primarily for applications to process a lot of data, including companies like Google, Twitch, Uber, and Netflix.

R
Heavily used in statistical analysis and machine learning applications.

C
Commonly used to program hardware, such as embedded and medical devices.

FAU Courses

COP 2220 - Introduction to Programming in "C"
COP 3013 - Foundations of Computer Science
CDA 3331C - Introduction to Microprocessor Systems
COP 3530 - Data Structures
COP 3813 - Introduction to Internet Computing
CEN 4010 - Principles of Software Engineering

COP 4020 - Programming Languages
COP 4045 - Python Programming
COP 4814 - Web Services
COP 4331 - Object Oriented Design and Programming
COP 4854 - Cutting-Edge Web Technologies
COP 6819 - Advanced Internet Systems

Career Information

Highly skilled programmers typically earn high-paying salaries in a vast, expanding job market, especially in Central and South Florida. The field of computer programming is constantly evolving with new technology and programming techniques. As a result, there is a large diverse field of career options and opportunities for students interested in learning programming languages.

Career Choices

- Software Engineer
- Cloud Engineer
- Database Developer
- Machine Learning Engineer
- Deep Learning Engineer

- Data Scientist
- Mobile Developer
- Front End Developer
- Back End Developer
- UX Developer

Related Companies

Boca Raton, FL

Incyte Studios is a highly skilled group of software professionals providing expertise in full-stack environments.

https://www.indeed.com/cmp/Incyte-Studios,-LLC-1

Tampa, FL

As a premier talent & solutions firm, **Vaco** connects people to their dream jobs and helps leading companies find talent to grow their businesses.

https://jobs.vaco.com/en-US/job/ruby-app-dev-lead-gaming-site/J3T24F6Z60GHYMNS06W

Boca Raton, FL

Champion Solutions Group offers customized and innovative IT services for security, mobility, cloud, data management, and consulting needs.

https://championsg.com/careers/services/