# COMPUTER PROGRAMMING - CERTIFICATE OF ACHIEVEMENT

The Computer Programming Certificate is designed to provide students with skills in computer programming to enable graduates in gaining employment as an entry-level programmer. Courses will emphasize skills on how to organize a computer program, and how to program in several different languages such as Python and Java.  A minimum of 6 units at EVC must be completed within the certificate.

## Program Learning Outcomes

- Demonstrate the impact and application of computers in business, government, and social organizations.
- Receive and process written and oral technology related information.
- Demonstrate the ability to apply data requirements, algorithmic principles, and software development practice in the modeling and design of computer-based systems in a way that proves comprehension of the tradeoffs involved in design choices.

| Course | Title | Units |
|---|---|---|
| CIT 041J | Javascript/Dynamic HTML | 3 |
| CIT 043A | PHP and MySQL | 3 |
| CIT 044 | Java Programming | 3 |
| CIT 130A | Introduction to Programming Concepts and Methodologies in C++ | 4 |
| CIT 134A | Programming in Python | 4 |
| **Total Units** | | **17** |