

# PROGRAMMING SKILLS CERTIFICATE

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**Division: Business and Computer Information Systems**

**PROGRAM CODE: 2C44065**

The **Programming Skills Certificate** requires the completion of 10 units in required classes listed below. offers a comprehensive introduction to the fundamental programming skills needed to succeed in today's job market. This certificate will provide students with the opportunity to learn Python programming, C++, and Java, three of the most popular programming languages in the industry. Upon completion of this certificate program, students will have the skills necessary to pursue a variety of entry-level, starting careers in the programming field. Potential careers include software developer, web developer, mobile applications developer, and game programmer. A grade of C or better is required in each course taken.

Code	Title	Units
<b>Required Courses (10 units):</b>		
CIS 201 F	Introduction to Python Programming	3
CIS 223 F	Programming in C++	3
CIS 226 F	Java Programming I	4
<b>Total Units</b>		<b>10</b>

## **Program Level Student Learning Outcomes**

**OUTCOME 1:** Demonstrate proficiency in one or more common business software programs.

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