

# CIS: COMPUTER PROGRAMMING WITH AN EMPHASIS ON APPLICATIONS---BASIC

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## Certificate of Achievement

Career/Technical (Major Code: 02274)

Provides training in the theory and practice of computer programming emphasizing business and computer applications. Prepares students for employment as entry-level programmers or programmer aides and provides a foundation for students who wish to prepare for a career in the field of information technology.

## Program Student Learning Outcome

- Demonstrate the use of the appropriate user interface design and application tools to solve various basic programming problems.

## Gainful Employment

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that "prepares students for gainful employment in a recognized occupation."

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: [www.swccd.edu/gainfulemployment](http://www.swccd.edu/gainfulemployment) (<http://www.swccd.edu/gainfulemployment/>).

Code	Title	Units
<b>Program Requirements</b>		
BUS 70	KEYBOARDING I	1
CIS 101	INTRODUCTION TO BUSINESS INFORMATION SYSTEMS	4
CIS 106	INTRODUCTION TO PROGRAMMING LOGIC AND DESIGN USING PYTHON	3
CIS 115	INTRODUCTION TO PROGRAMMING USING C++	4
CIS 130	MICROCOMPUTER DISK OPERATING SYSTEM	1
CIS 146	INTRODUCTION TO STRUCTURED QUERY LANGUAGE (SQL)	2
CIS 167	QUALITY ASSURANCE AND SOFTWARE TESTING	3
CIS 226	OPERATING SYSTEMS AND COMMAND LANGUAGES	3
<b>Total Units</b>		<b>21</b>