

PYTHON APPLICATIONS, CERTIFICATE OF COMPLETION



**COMPUTER AND
INFORMATION
TECHNOLOGY**

Certificate of Completion: CCL 5340N

12-22 Credits

Program Contact

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Program Description

The Certificate of Completion (CCL) in Python Applications is designed to provide students with a set of skills necessary to successfully perform Python related programming projects. The courses consist of both practical knowledge and hands-on experience with the Python language and the programming techniques used in the industry. Through the elective courses, students will be able to apply the knowledge obtained to specific areas of interest using Python.

Program Notes

This program is not eligible for Title IV Federal Financial Aid.

Students must earn a grade of "C" or better for all courses required within the program. Overall program minimum GPA = 2.00.

Required Courses and Restricted Electives must be taken within five (5) years prior to completion of the program to be applied toward this award.

++ indicates any suffixed course may be selected.

Program Requirements

Program Prerequisites: None

Code	Title	Credits	Semester
Required Courses			
Select one of the following:		0-3	_____
CIS105	Survey of Computer Information Systems		_____
Permission of Program Director			
Select one of the following:		0-3	_____
CIS150AB	Object-Oriented Programming Fundamentals		_____
Permission of Program Director			
CIS119DO	Introduction to Oracle: SQL	3	_____
or CIS276DA	MySQL Database		_____
or CIS276DB	SQL Server Database		_____
CIS156	Python Programming: Level I	3	_____

CIS256	Python Programming Level II	3	_____
Restricted Electives			
Select one of the following:		3-7	_____
<i>Specialization 1: Cybersecurity and Networking</i>			
CNT140AB	Introduction to Networks		_____
CIS256CN	Python for Cybersecurity and Networking		_____
<i>Specialization 2: Data Analytics</i>			
CIS256DA	Python for Data Analysis		_____
Total Credits		12-22	_____