

PYTHON APPLICATIONS, CERTIFICATE OF COMPLETION



**COMPUTER AND
INFORMATION
TECHNOLOGY**

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	_____