Associate of Science (A.S.) Information Technology|Concentration: Cloud Computing

PROGRAM OVERVIEW

ACADEMIC PREPAREDNESS

UDC recognizes the important connection between student success and academic preparedness. Depending on placement test scores and/or equivalent college course work, students may be required to complete co-requisite courses in English. *Only credits earned for the college-level portion of the co-requisite course pairing count towards degree completion requirements.*

Co-Requisite Courses for English

Course #	Title	Credits	Grade	Semester
ENGL 015	English Fundamentals *and*	3		
IGED 110C	Foundation Writing I	3		

SEQUENCE OF STUDY

The required courses for the degree program are listed in suggested sequence on the reverse side of this document. Students are expected to complete prerequisite and co-requisite courses as indicated.

- A Prerequisite is a requirement which must be completed prior to enrollment in a particular class. This can be a placement test score or a course. For example, IGED 110C: Foundation Writing I must be taken prior to IGED 111C: Foundation Writing II.

- A Co-requisite is a course that must be taken in the same semester. For example, APCT 110C: Introduction to Programming Lecture must be taken along with APCT 111C: Introduction to Programming Lab.

GUIDE TO SUBJECTS

When registering for courses, use the key below to search for courses by subject.

APCT	Applied Computing	**ENGL**	English	**MATH**	Mathematics
CMOP	Computer Operations	**FSEM**	First Year Seminar	**PHIL**	Philosophy
CSCI	Computer Science	**CYSE**	Cybersecurity	**IGED**	Interdisciplinary General Education

Associate in Applied Science (A.S.) in Information Technology Concentration: Cloud Computing *(Below are the required courses for the degree arranged in suggested sequence. **All the courses listed on this advising sheet are expected to be taught at the Community College. Any student requesting to take a course not listed below or at the flagship location will be referred to the Information Technology (IT) program coordinator for advising.**)*

FIRST SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
IGED 110C	Foundation Writing I	3			ENGL-015C or placement test
MATH 116	Finite Math	3			MATH 105C
APCT 110C	Introduction to Programming (Lecture)	2			
APCT 111C	Introduction to Programming (Lab)	1			
CMOP 121C	Windows Operating System Fund.	4			
	Total Credit Hours:	**13**			

SECOND SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
IGED 111C	Foundation Writing II	3			IGED-110C
FSEM 101C	First Year Seminar	1			
CCNA I	Cisco Certified Network Assoc **OR**	4			
CMOP 131/132	Computer Networking Fundamentals (Lecture/Lab)	4			
LINX 110C	LINUX I	4			CMOP 121C
CYSE 115C	Introduction to Cybersecurity (Sec+)	4			CMOP 121C
	Total Credit Hours:	**16**			

THIRD SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
MATH 185C	Elementary Statistics	3			
IGED 130C	Foundation Oral Communication	3			
CSCI 210C	AWS Solutions Architect-Assoc	4			LINX 110C and CCNA I or CMOP 131/132 Co-Requisite CSCI 100C
CSCI 215C	AWS Security Fundamentals	4			CYSE 115C Co-Requisite CSCI 100C
CSCI 100C	AWS Cloud Practitioner Essentials	2			
	Total Credit Hours:	**16**			

FOURTH SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
IGED 140	Foundation Ethics	3			
CSCI 225C	AWS Certified Advanced Networking	4			CSCI 100C, CYSE 115C, and CCNA I or CMOP 131/132
CMOP 240C	AWS Certified System Ops Administrator-Associate	4			CCNA I or CMOP 131/132
	Natural Science w/Lab	4			
	Total Credit Hours:	**15**			

Total Credit Hours for A.A.S. Degree Total Credit Hours for AS Degree in Information: 60