

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

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 <i>and</i>	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: Networking *(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			
CSCI 100C	AWS Cloud Practitioner Essentials	2			Co-Requisite CMOP 121C
Total Credit Hours:		15			

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			
LINUX 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			
CCNA II	Routing and Switching Concepts	4			CCNA I or CMOP 131/132
Elective	IT Elective (Recommended CMOP 240C)	4			
Total Credit Hours:		14			

FOURTH SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
IGED 140	Foundation Ethics	3			
CCNAIII	Enterprise Networking, Security & Automation (ENSA)	4			CCNA II
CSCI 225	AWS Certified Advanced Networking	4			CSCI 100C, CYSE 115C, and 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