



Associate in Applied Science (A.A.S.) in Computer Science Technology

PROGRAM OVERVIEW

The Associate in Applied Science in Computer Science Technology focuses on programming languages and applications software. The student is trained in the logic of problem solving, and at the completion of the program is equipped to write computer programs in modern languages such as C++ and Java. Students are also trained in the use of modern office software application packages using Microsoft Office 2010 or 2013.

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		
ENGL-101C	English Composition 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, ENGL-111: English Composition I must be taken prior to ENGL-112: English Composition II.
- A Co-requisite is a course that must be taken in the same semester. For example, APCT 104C: Introduction to Applications of Computers Lecture must be taken along with APCT 105C: Introduction to Applications of Computers 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	GRCT	Graphic Communications Technology		

Associate in Applied Science (A.A.S.) in Computer Science Technology *(Below are the required courses for the degree arranged in suggested sequence. Recommended elective courses are enclosed with parenthesis next to each elective and indicated with an*. 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 Computer Science Technology (CST) program coordinator for advising.)*

FIRST SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
FSEM-101C	First Year Seminar	1			
ENGL-111C	English Composition I	3			ENGL-015C or placement test
MATH-113C	Pre-Calculus w/Trigonometry I	3			MATH-105C or placement test
APCT-104C	Intro to Applications of Computers (Lecture)	2			Co-requisite APCT-105C
APCT-105C	Intro to Applications of Computers (Lab)	1			Co-requisite APCT-104C
APCT-115C	Computing Foundations	3			Co-requisite APCT-104C/105C
PHIL-105C	Introduction to Logic	3			
Total Credit Hours:		16			

SECOND SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
ENGL-112C	English Composition II	3			ENGL-111C
MATH-114C	Pre-Calculus w/Trigonometry II	3			MATH-113C
APCT-110C	Introduction to Programming (Lecture)	2			MATH-113C
APCT-111C	Introduction to Programming (Lab)	1			MATH-113C
	Options Elective (CMOP-131C/132C)*	3			APCT-104C/105C
	Options Elective (APCT-285C)*	3			APCT-104C/105C
Total Credit Hours:		16			

THIRD SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
APCT-231C	Computer Science I (Lecture)	3			APCT-110/111C; Co-requisite APCT-233C
APCT-233C	Computer Science I (Lab)	1			Co-requisite APCT-231C
PHYS-101C	Introduction to College Physics I (Lecture)	3			MATH-105C; Co-requisite PHYS-103C
PHYS-103C	Introduction to College Physics I (Lab)	1			Co-requisite PHYS-101C
	CS/MATH Elective (MATH 151/155)*	4			MATH-114C
	Options Elective (CMOP-235/236)*	3			APCT-110C/111C
Total Credit Hours:		15			

FOURTH SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
CMOP-184C	Applied Operating Systems	3			APCT-110C/111C & APCT-231/233C
APCT-232C	Computer Science II (Lecture)	3			APCT-110C/111C & APCT-231/233C
APCT-234C	Computer Science II (Lab)	1			Co-requisite APCT-232C
	CS Elective (CSCI-241C)*	3			APCT-110C/111C & APCT-231/233C
	CS/MATH Elective (MATH-152C/156C)*	4			
Total Credit Hours:		14			

CS/MATH ELECTIVES			OPTIONS ELECTIVES		
Course #	Course Title	Prerequisites	Course #	Course Title	Prerequisites
CSCI-251/252	Assemblers and Systems (Lecture/Lab)	APCT-231/233	GRCT-107/108	Desktop Publishing (Lecture/Lab)	
CSCI-241	Data Structures	APCT-231/233	CMOP-131/132	Computer Networking Fundamentals (Lecture/Lab)	APCT-104/105C
MATH-151/155	Calculus I (Lecture/Lab)	MATH-114	CMOP-235/236	Introduction to Web Page Development (Lecture/Lab)	APCT-110C/111C
MATH-152/156	Calculus II (Lecture/Lab)	MATH-151/155	APCT-285	Professional Ethics	APCT-104C/105C