

PROGRAMMING - CERTIFICATE OF COMPLETION

Doña Ana Community College 2024-2025 Catalog (18-20 credits)

NOTE: Students must complete all University certificate requirements to total at least 18 credits and must achieve a cumulative grade-point average of at least 2.0. Developmental coursework will not count towards the degree requirements and/or elective credits. If a student has no basic typing skills, OATS 101 Keyboarding Basics is a prerequisite for all CTEC, CSEC, and OECS courses. A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

Prefix	Title	Credits
Technical Requirements		
CTEC 140 or OECS 220	Introduction to Database Design Database Application and Design	3
CTEC 145 or OECS 235	Introduction to Database Management Structured Query Language (SQL)	3
CTEC 152 or OECS 195	JAVA Programming Java Programming I	3
CTEC 158	Visual Basic Programming	3
Electives - Choose two from the following:		6-8
C S 111	Computer Science Principles	
C S 172	Computer Science I	
CTEC 130 or OECS 204	Linux Workstation Linux Operating System	
CTEC 135 or OECS 207	Windows Workstation Windows	
CTEC 150 or OECS 145	Mobile Application Programming Mobile Application Development	
CTEC 156	Python Programming	
Total Credits		18-20