

# COMPUTER INFORMATION SYSTEMS - CERTIFICATE OF COMPLETION

## Doña Ana Community College 2025-2026 Catalog (19 credits)

**NOTE:** Students must complete all University certificate requirements to total at least 19 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
<b>Technical Requirements</b>		
CTEC 130 or OECS 204	Linux Workstation Linux Operating System	3
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 or CTEC 150 or OECS 145	Visual Basic Programming Mobile Application Programming Mobile Application Development	3
CTEC 180 or OECS 261	Introduction to Networking Introduction to Networks	4
<b>Total Credits</b>		<b>19</b>

### (19 credits)

#### A Suggested Plan of Study

The contents of this roadmap may vary depending on initial student placement in mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

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Semester 1	Credits	
CTEC 130 or OECS 204	Linux Workstation or Linux Operating System	3
CTEC 140 or OECS 220	Introduction to Database Design or Database Application and Design	3

CTEC 152 or OECS 195	JAVA Programming or Java Programming I	3
<b>Credits</b>		<b>9</b>
<b>Semester 2</b>		
CTEC 145	Introduction to Database Management	3
CTEC 158 or CTEC 150 or OECS 155	Visual Basic Programming or Mobile Application Programming or Special Topics - Introductory Computer Technology	3
CTEC 180 or OECS 261	Introduction to Networking or Introduction to Networks	4
<b>Credits</b>		<b>10</b>
<b>Total Credits</b>		<b>19</b>