

# CYBERSECURITY - CERTIFICATE OF COMPLETION

## Doña Ana Community College 2025-2026 Catalog (27 credits)

**NOTE:** Students must complete all University certificate requirements to total at least 27 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>Course Requirements</b>		
Choose one from the following:		3-4
MATH 1350G	Introduction to Statistics	
MATH 1220G	College Algebra	
MATH 1250G	Trigonometry & Pre-Calculus	
MATH 1430G	Applications of Calculus I	
MATH 1511G	Calculus and Analytic Geometry I	
MATH 1521G	Calculus and Analytic Geometry II	
MATH 1521H	Calculus and Analytic Geometry II Honors	
CSEC 275 or CSEC 283	Introductory to Cryptography or Ethical Hacking and Penetration Testing	3
CSEC 280	Introduction to Cyber Defense	3
CSEC 285	Introduction to Managing Information Security	3
CTEC 130 or OECS 204	Linux Workstation or Linux Operating System	3
CTEC 135 or OECS 207	Windows Workstation or Windows	3
CTEC 230 or OECS 234	Introduction to Linux Server Administration or Linux Server	3
CTEC 235 or OECS 237	Introduction to Windows Server Administration or Windows Server	3
Choose one from the following:		3-4
CTEC 290	Network Security	
CTEC 285	Connecting Networks	
OECS 269	Network Security	
<b>Total Credits</b>		<b>27-29</b>

### (27-29 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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<b>Semester 1</b>		<b>Credits</b>
Choose one from the following:		3-4
MATH 1350G	Introduction to Statistics	
MATH 1220G	College Algebra	
MATH 1250G	Trigonometry & Pre-Calculus	
MATH 1430G	Applications of Calculus I	
MATH 1511G	Calculus and Analytic Geometry I	
MATH 1521G	Calculus and Analytic Geometry II	
MATH 1521H	Calculus and Analytic Geometry II Honors	
CSEC 275 or CSEC 283	Introductory to Cryptography or Ethical Hacking and Penetration Testing	3
CTEC 130 or OECS 204	Linux Workstation or Linux Operating System	3
CTEC 135 or OECS 207	Windows Workstation or Windows	3
Choose one from the following:		3-4
CTEC 290	Network Security	
CTEC 285	Connecting Networks	
OECS 269	Network Security	
<b>Credits</b>		<b>15-17</b>
<b>Semester 2</b>		
CSEC 280	Introduction to Cyber Defense	3
CSEC 285	Introduction to Managing Information Security	3
CTEC 235 or OECS 237	Introduction to Windows Server Administration or Windows Server	3
CTEC 230 or OECS 234	Introduction to Linux Server Administration or Linux Server	3
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>27-29</b>