

COMPUTER TECHNOLOGY (PROGRAMMING) - ASSOCIATE OF APPLIED SCIENCE

Doña Ana Community College 2026-2027 Catalog (62-64 credits)

This degree requires a minimum of 62 credits and a cumulative GPA of 2.0.

NOTE: Students must earn a final grade of C- or better in all Major Requirements courses and achieve a cumulative grade-point average of at least 2.0. A grade of C- or better is required in and designated Mathematics courses.

The New Mexico General Education Requirements (<https://catalogs.nmsu.edu/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/>) can be found in the section titled, "Transfer Among New Mexico Institutions of Higher Education".

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

| Prefix | Title | Credits |
|---|--|---------|
| General Education | | |
| <i>Select one course from four of the following six content areas for a total of 12-14 credits^{1,2}</i> | | 12-14 |
| This degree requires courses from Areas I, III and IV; students must select one course from the remaining areas to complete General Education requirements. | | |
| Area I: Communications | | |
| ENGL 1110G | Composition I (grade of C- or better required) ³ | |
| Area II: Mathematics | | |
| Area III: Laboratory Sciences | | |
| Select one course from the following: | | |
| ASTR 1120G | The Planets Lecture & Laboratory ³ | |
| CSCI 1115G | Modern Computing in Practice ³ | |
| PHYS 1115G | Survey of Physics with Lab ³ | |
| PHYS 1230G & PHYS 1230L | Algebra-Based Physics I and Algebra-Based Physics I Lab ³ | |
| PHYS 1240G & PHYS 1240L | Algebra-Based Physics II and Algebra-Based Physics II Lab ³ | |
| Area IV: Social/Behavioral Sciences | | |
| Select one course from the following: | | |
| CJUS 1110G | Introduction to Criminal Justice ³ | |
| ECON 1110G | Survey of Economics ³ | |
| ECON 2110G | Macroeconomic Principles ³ | |
| ECON 2120G | Principles of Microeconomics Honors ³ | |
| GNDR 2110G | Introduction to Women, Gender, and Sexuality Studies ³ | |
| GNDR 2120G | Representing Women Across Cultures ³ | |
| PSYC 1110G | Introduction to Psychology ³ | |
| SOCI 1110G | Introduction to Sociology ³ | |

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| Area VI: Creative and Fine Arts | | |
| <i>General Education Elective</i> | | |
| ENGL 2210G | Professional and Technical Communication ³ | 3 |
| or ENGL 2221G | Writing in the Humanities and Social Science | |
| Core Requirements | | |
| Select one course from the following: | | 3-4 |
| MATH 1220G | College Algebra ³ | |
| MATH 1250G | Trigonometry & Pre-Calculus ³ | |
| MATH 1350G | Introduction to Statistics ³ | |
| MATH 1430G | Applications of Calculus I ³ | |
| MATH 1511G | Calculus and Analytic Geometry I ³ | |
| MATH 1521G | Calculus and Analytic Geometry II ³ | |
| Major Requirements | | |
| <i>Technical Requirements</i> | | |
| BCIS 1160 | Windows | 3 |
| CIST 1409 | IT Essentials I: PC Hardware, Software, and Practical Applications | 3 |
| or CIST 1605 | Internet of Things | |
| or CIST 1412 | Network Device Configuration | |
| CIST 1411 | Introduction to Networks | 4 |
| or E T 153 | Fundamentals of Networking Communications | |
| or E T 155 | Network Operating Systems I | |
| or E T 273 | Advanced Networking Communications | |
| CIST 1413 | Network Administration Concepts | 4 |
| CIST 1680 | Linux Essentials | 3 |
| CIST 2311 | Database Concepts and Principles | 3 |
| CIST 2998 | Internship in Computer Information Systems Technology | 3 |
| Select one course from the following: | | 3-4 |
| CIST 2210 | Introduction to SQL (Structured Query Language) | |
| CIST 2237 | Android Application Development with Java and Kotlin | |
| CIST 2251 | Python Programming II | |
| CIST 2275 | C++ Programming II | |
| CTEC 152 | JAVA Programming | |
| or CSCI 1210 | Java Programming | |
| OR Any Appropriate CSCI Course (EXCLUDING courses used to fulfill Technical/Major Requirements.) | | |
| <i>Concentration Coursework</i> | | |
| Select 9 credits of programming electives from the following (EXCLUDING courses used to fulfill Technical/Major Requirements.): | | 9 |
| CIST 2210 | Introduction to SQL (Structured Query Language) | |
| CIST 2237 | Android Application Development with Java and Kotlin | |
| CIST 2275 | C++ Programming II | |
| CTEC 158 | Visual Basic Programming | |
| CTEC 152 | JAVA Programming | |
| Select 7 credits of electives from BCIS, CSCI, C S, E T, MATH, AIML, or CIST (EXCLUDING courses used to fulfill Technical/Major Requirements). | | 5 |
| Total Credits | | 60-62 |

¹ Each course selected must be from a different area and students cannot take multiple courses in the same area.

² See the General Education (<https://catalogs.nmsu.edu/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/>) section of the catalog for a full list of courses.

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³ Courses are identical to those offered at New Mexico State University
Las Cruces (main) Campus.

⁴ Some courses not currently taught at DACC. Please refer to Class
Schedule for a listing of courses taught at DACC.