

Computer Science

Associate in Science Degree (A.S.) with Guided Career Path for Computer Science

At a Glance

The Computer Science Program is designed to prepare students for employment in industry or business. Emphasis is on the knowledge and skills needed in the small business computer environment.

The Statewide Articulation Reporting System (STARS) will provide very specific transfer information to specific majors at each state-funded four-year institution. Once a student chooses a major and a place of transfer, an individualized guide and contract can be created. The STARS website can be accessed from the CACC homepage at www.cacc.edu. You may also access STARS from the CACC Admissions Office. CACC also has designated Transfer Advisors.

NOTE: *The sample Guided Curricular Path below contains all the elements required for degree/certificate completion. However, courses may be offered or taken in other semesters so long as prerequisites are met and courses are available. Additional options may also be available. Courses may be available days, nights, hybrid, and online. Sample paths for part-time attendance may also be available. Please see an advisor. *Students must check with the Senior Institution to determine which courses are required.*

First Semester

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| ORI 105 | Orientation & Student Success | 3 |
| ENG 101 | English Composition I | 3 |
| MTH 112 | Precalculus Algebra | 3 |
| MUS 101 | Music Appreciation | 3 |
| HIS 101 | Western Civilization I | 3 |
| Total Semester Credit Hours | | 15 |

Second Semester

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|-----------------------------|------------------------------|----|
| ENG 102 | English Composition II | 3 |
| HIS 102 | Western Civilization II | 3 |
| MTH 113 | Precalculus Trigonometry | 3 |
| ECO 231 | Principles of Macroeconomics | 3 |
| CIS 146 | Microcomputer Applications | 3 |
| Total Semester Credit Hours | | 15 |

Third Semester

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| BIO 103 | Principles of Biology I | 4 |
| SPH 106 | Fundamentals of Oral Communication | 3 |
| MTH 125 | Calculus I | 4 |
| PHL 206 | Ethics & Society | 3 |
| PSY 200 | General Psychology | 3 |

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| Total Semester Credit Hours | 17 |
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Fourth Semester

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| CIS 251 | C++ Programming | 3 |
| BIO 104 | Principles of Biology II | 4 |
| MTH 126 | Calculus II | 4 |
| <u>ENG 261</u> | <u>English Literature I</u> | <u>3</u> |
| Total Semester Credit Hours | | 14 |

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|---------------------------|-----------|
| TOTAL CREDIT HOURS | 61 |
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