# ASSOCIATE IN SCIENCE IN COMPUTER SCIENCE FOR TRANSFER

Graduates of the two-year degree program in Computer Science will have the skills in computer programming required for transfer to a four-year college. The Associate in Science in Computer Science for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Computer Science or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

| Required Courses – Major: | | Units |
|---|---|---|
| CSC 210 | Computer Organization and Architecture | 3 |
| CSC 221 | Programming and Algorithms I | 3 |
| CSC 222 | Programming and Algorithms II | 3 |
| CSC 240 | Discrete Structures | 3 |
| MTH 210 | Calculus and Analytic Geometry I | 5 |
| MTH 211 | Calculus and Analytic Geometry II | 5 |
| PHY 220 | Physics for Scientists and Engineers I | 4 |
| PHY 221 | Physics for Scientists and Engineers II | 4 |

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|---|---|
| **Total Major Units** | **30** |
| **Total Degree Units** | **60** |

*Program Level Student Learning Outcomes:*
1. Design, implement, test and debug small-scale programs that use fundamentals programming constructs with objects.
2. Meet the requirements to transfer to a four-year Computer Science program.

*Career Opportunities in COMPUTER SCIENCE*

Graduates with a Bachelor's Degree in Computer Science qualify for a wide variety of jobs. Some of the typical job titles include but are not limited to, Software Developer, Programmer Analyst, Systems Engineer, Information Technology Consultant, Web Developer, Business Analyst, Software Architect, Animator, Computer Programmer, Database Analyst, Software Engineer, Special Effects Specialist, Systems Analyst, Technical Sales Representative, Technical Support Representative, Technical Writer, and Webmaster. Additionally, the job market for Computer Science graduates spans almost all industries from Banks to Airlines to Defense Companies to Government Entities to Online service providers and more, including both the public and private sectors.

*Associate Degree for Transfer requirements pursuant to SB 1440:*
- 60 semester or 90 quarter CSU-transferable units.
- the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district.
- obtainment of a minimum grade point average (GPA) of 2.0.
- earn a grade of C or better in all courses required for the major or area of emphasis.