

EMPHASIS: Computer Science

DEGREE: Associate in Arts

Purpose:

The AA degree with Computer Science emphasis is for students interested in transferring to a four-year college or university to complete a bachelor's degree in computer science.

If you are not well prepared in high school math at least through a second year algebra course (following geometry), you should plan, with your advisor, a three-year program to prepare you for transfer to a four-year college or university. The emphasis in the first year should be on strengthening your math, basic science, communication, and reading skills.

The given sequence begins with MATH& 141, Pre-Calculus I. If possible, start with MATH& 151, Calculus I.

Except for the sequences of mathematics, physics, and English composition, the order in which courses are taken is not important.

It is extremely important that you, the student, identify the institution you intend to transfer to as soon as possible as some computer science programs have specific general education requirements and prerequisites.

Program Outcomes - Students who successfully complete this program should be able to:

1. Script static web pages.
2. Code dynamic web pages.
3. Install and operate simple web servers.
4. Install and configure routers in small-scale networks using RIP, OSPF and/or IGRP.
5. Install and configure security programs.
6. Install and configure TCP/IP protocols.

Learning Themes:

General education outcomes at Centralia College help students, faculty, and the general public identify learning expected when a student has completed a degree or program. The administration, faculty, and staff have agreed upon the following five Learning Themes which students can expect to encounter in their courses by the completion of any degree.

Reasoning:

The ability to extract information from data, develop ideas and solutions, establish logical progression in thinking, and problem solve using such procedures as literary analysis or the scientific methods.

Written, Oral and Visual Communication:

The ability to make oneself understood in public, interpersonal, professional, artistic, and technical arenas.

Exploration-Self and Others:

An awareness of the values, beliefs, customs, and contributions of persons from one's own and other traditions, ethnicities, classes, and genders.

Resourcefulness:

The ability to adapt to change, such as technological innovations or environmental conditions.

Responsibility:

The ability to be accountable to self, society, and the natural world.

Note: Students who plan on transferring to the University of Washington will also need to take one full-year of a foreign language if they have not studied that language for the required amount of time in high school. Also, students going to the University of Washington may wish to take at least one five-credit designated writing course.

The Associate in Arts (AA) degree represents the broad knowledge generally acquired in the first two years of a four-year program leading to a Bachelor of Arts degree. When you have earned the AA from Centralia College, you may transfer to a baccalaureate institution within the state of Washington with assurance that you have satisfied the basic requirements (General University Requirements or Distribution Requirements). This means, generally, that AA transfer students can begin work on their specialized, major-area course-work as soon as they transfer.

Centralia College has direct AA-degree transfer agreements with the following colleges:

Bastyr University - Central Washington University - City University - Cornish College of the Arts - Eastern Washington University - Gonzaga University - Heritage University - Northwest University - Pacific Lutheran University - Saint Martin's University - Seattle Pacific University - Seattle University - The Evergreen State College - Trinity Lutheran College - University of Washington - Washington State University - Western Washington University - Whitworth College

This Educational Plan is intended as a guide for students who wish to emphasize a specific area of study for the Associate in Arts degree. It is not a guarantee that the courses listed in the plan will be available in the sequence suggested. In some instances, due to low enrollment, some courses may not be offered at all.

Estimated Quarterly Program Costs (subject to change without notice)

Resident Tuition (15 credits) and fixed fees*:	\$1427
US Citizen Nonresident Tuition (15 credits) and fixed fees*:	\$1576
Non US Citizen Nonresident Tuition (15 credits) and fixed fees*:	\$3381
*Tuition is subject to change due to State Legislative actions	
Books and supplies (estimate):	\$427
Lab fees:	Refer to quarterly class schedule.

Centralia College does not discriminate against any person on the basis of race, color, national origin, disability, sex, genetic information, or age in admission, treatment, or participation in its programs, services and activities, or in employment. All inquiries regarding compliance with access, equal opportunity and/or grievance procedures should be directed to the Centralia College Vice President of Human Resources and Legal Affairs, 600 Centralia College Blvd., Centralia, WA 98531.