

Associate of Science Oregon Transfer Computer Science Degree (ASOT/CS)

This degree will prepare students to transfer to an Oregon public university. Computer Science (CS) is the study of programs, data, computing machinery, and how these interact. Majors in computer science are offered at EOU, OSU, OIT, PSU, SOU, UO, and WOU in Oregon. Be aware that the core CS curriculum and major options vary at the above-listed schools. Consult with a BMCC faculty adviser before beginning your first term at BMCC as a CS transfer major.



Required Courses:

>>FALL TERM:

CS120: Concepts of Computing
CS160: Gentle Intro to Programming
MTH251: Differential Calculus

>>WINTER TERM:

CS161: Computer Science I
CS260: Data Systems

>>SPRING TERM:

CS162: Computer Science II
MTH252: Integral Calculus

What our students say about Computer Science @ Blue Mountain...

"I have learned skills in coding HTML, JavaScript, CSS, PHP, SQL, and a small amount of Java across all the courses I have taken."

"The assigned projects were hands-on and I learned a lot of practical and useful information from them."

"In all the courses I've taken I've learned something new, whether it was basic troubleshooting or using Linux or removing malware. I've been taught a lot in the past nine months."

"The CS instructors at BMCC are great at their craft, and they can share that knowledge with students in a manner that is easy for students to understand."



Associate of Applied Science Business Administration Web Development Degree (AAS-BA/Web Dev)

This degree will prepare students to either transfer to an Oregon University System institution on a course-by-course basis or to be effective in the workplace in the following areas: technical management of websites, development of data-supported recommendations for site improvement, assessment of current sites, design for accessibility and current standards, use of industry-standard web development tools, and server-side programming and scripting.



Required Courses:

>>FALL TERM:

CS120: Concepts of Computing
CS125i: Digital Imaging with Photoshop

>>WINTER TERM:

CS195: HTML, CSS, and Bootstrap
CS125m: Multimedia for the Web

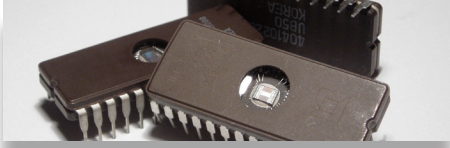
>>SPRING TERM:

CS133j: Javascript
CS295: Dynamic Web Design w/ PHP

COOPERATIVE WORK EXPERIENCE:

BA280: Website maintenance

Data Center Technician Certificate



Today's data centers contain tens of thousands or even hundreds of thousands of computer servers linked by powerful networks. A data center technician installs, maintains, and repairs a data center's computer and network systems. Students completing this one-year certificate are fully prepared for employment in this rapidly-growing industry. Students entering this program will start summer term and end winter term. Computer science (CS) coursework taken prior to summer 2015 will not count toward this degree. Transfer credit is subject to department approval. All courses must be completed with a grade of C or better.

Required Courses:

>>TERM 1

CS145 Intro to PC Hardware & Software
CS179a Intro to Networking
CS180 Computer Science Practicum
COM100 Human Communications

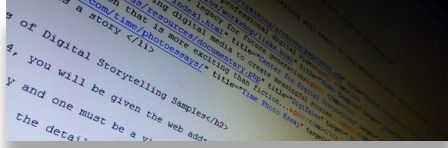
>>TERM 2

CS180 Computer Science Practicum
CS140L Intro to Linux Systems Admin
CS179b Network Management
CS279 Network Management

>>TERM 3

CS282 Computer Science Colloquium
CS280 CWE Computer Science
CS240L Linux Systems Admin

Web Assistant Certificate



This less than one-year CPCC degree program will prepare the student to be effective in the workplace in the following areas:

- Technical assistance of website management, including application of knowledge of HTML, CSS, and scripting
- Assess sites in terms of user-friendliness, accessible content, and functionality, to meet client and organizational needs
- Maintain websites using industry-standard tools such as Bootstrap, Flash, and Photoshop

The less than one-year Business Administration – Web Assistant Career Pathway certificate offers a combination of online and on-campus instruction

Required Courses:

>>TERM 1:

BA131: Intro to Business Computing
CS125i: Digital Imaging with Photoshop

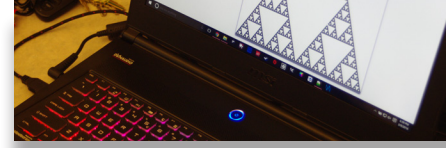
>>TERM 2:

CS195: HTML, CSS, and Bootstrap
LD000: Leadership Electives

>>TERM 3:

CS133j: Javascript
CS295: Dynamic Web Design w/ PHP

Software Development Certificate



This 12-credit-hour certificate of completion provides a year-long introduction to concepts, tools, and techniques used in software development. Students successfully completing the certificate will have the knowledge to pursue a potential AAS in Computer Science, a Bachelor's degree in Computer Science, or an internship/apprenticeship at an organization providing on-the-job training in the field.

Required Courses:

>>TERM 1:

CS160: Gentle Intro to Programming

>>TERM 2:

CS161: Computer Science I

>>TERM 3:

CS162: Computer Science II



Blue Mountain Community College Computer Science Faculty

Gary Parker
gparker@bluecc.edu
(541) 278-5772

Stan Beach
sbeach@bluecc.edu
(541) 278-5808

Peter Hernberg
phernberg@bluecc.edu
(541) 278-5815

Greg Schulberg
gschulberg@bluecc.edu
(541) 278-5812



2411 NW Carden Ave. | PO Box 100
Pendleton, OR 97801 | <http://www.bluecc.edu>
BMCC is an equal opportunity educator and employer