



Computer Science

at Walla Walla Community College

www.wwcc.edu/computer

The Program

As electronic commerce becomes more common, how and when companies use technology are critical issues. Organizations continue to adopt and integrate increasingly sophisticated technology, leading to tremendous job growth for computer support specialists, technical support specialists, and network system administrators. These specialists can provide technical assistance, support, and advice, interpret problems and provide technical support for hardware, software, and systems. Network or computer systems administrators design, install, and support an organization's LAN, WAN, network segment, Internet, or intranet system. They also may provide day-to-day onsite administrative support for software users in a variety of work environments.

Career Opportunities

- Computer Support Specialist
- Technical Support Specialist
- System Administrator
- Professional Equipment Sales Rep.
- Software Publicist
- Computer System Designer
- Web Designer/Developer

WWCC's Degree Options

- **Associate in Applied Arts and Sciences (AAAS)**
Computer Science students have the option between three courses of study within the program: **Digital Design, Software Design, or Networking.**
- **Digital Design Certificate**
- **Software Design Certificate**
- **Networking Certificate**



For More Information

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Walla Walla Community College ... *Your Best Choice*

Computer Science

This schedule lists courses required for degree completion but the actual order and specific coursework may vary depending on student placement, start date, and quarter. Please check with your advisor prior to any substitutions.

The required related instruction is noted in bold print. The letter in the parenthesis indicates which category of related instruction is represented by the given course as follows:

(W)- Written Communications
(M)- Computation/Mathematics

(O)- Oral Communications
(J)- Job Seeking Skills

(R)- Human Relations
(L)- Leadership

AAAS Digital Design	Year One
Fall Quarter	
CS 110, Introduction to Computers and Applications	5
CS 115, Introduction to Computer & Information Technology	5
CS 120, Networking Using Internet Technologies	5
CMST& 220, Public Speaking (O)	5
Total Credits	20
Winter Quarter	
CS 121, Problem Solving with Programming ¹	5
MATH 078E, Intermediate Algebra (M)	5
ENGL& 101, English Composition I (W)	5
Total Credits	15
Spring Quarter	
CS 130, PC Support and Maintenance I ²	5
CS 220, Digital Imaging Foundations	5
PSYC& 100, General Psychology (R)	5
Total Credits	15
Total Year One	50
Year Two	
Fall Quarter	
CS 223, Computer Layout and Design (Photoshop)	5
CS 226, Web Design Specialist I	5
CS Elective ³	5
Total Credits	15
Winter Quarter	
CS 141, Computer Science I JAVA ²	5
CS 224, Computer Illustration (Illustrator)	5
CS 227, Web Design Specialist II	5
Total Credits	15
Spring Quarter	
CS 222, Desktop Publishing InDesign	5
CS 228, Website Design Specialist III	5
CS 229, Dynamic Website Design with PHP MySQL	5
CS 291, Cooperative Work Experience II	2
CS 192, Cooperative Seminar I (J)	2
CS 292, Cooperative Seminar II (L)	1
Total Credits	20
Total Year Two	50
Total Credits	100

¹ - Students may elect to substitute CS 140, CS 142 or CS 230 for CS 121. Please note the course for substitution may only be used once in the degree sequence.
² - Students may substitute CS 275, Windows Client for CS 130, PC Support and Maintenance I.
³ - Students may take CS 140, CS 142 or CS 250 for the elective course. Please note this elective course cannot be a course previously used as a substitution for another requirement.
⁴ - Students may elect to substitute CS 131 or CS 230. Please note the course for substitution may only be used once in the degree sequence.

(R) - BUS 102, PSYC& 100 (M) - BUS 112, ELECT MAT4, MATH 078E
 (W) - BUS 137, ENGL& 101 (O) - CMST 102, CMST& 220
 (L) - CS 192, ELECT CS3 (J) - CS 292, ELECT CS5

EPC: 507

AAAS Software Design	Year One
Fall Quarter	
CS 110, Introduction to Computers and Applications	5
CS 115, Introduction to Computer & Information Technology	5
CS 120, Networking Using Internet Technologies	5
CMST& 220, Public Speaking (O)	5
Total Credits	20
Winter Quarter	
CS 121, Problem Solving with Programming ¹	5
MATH 074C, Beginning Algebra I - Linear Equations (M)	5
ENGL& 101, English Composition I (W)	5
Total Credits	15
Spring Quarter	
CS 130, PC Support and Maintenance I ²	5
CS 220, Digital Imaging Foundations	5
PSYC& 100, General Psychology (R)	5
Total Credits	15
Total Year One	50
Year Two	
Fall Quarter	
CS 230, Visual Basic Programming	5
CS 235, Introduction to Database Design and Theory	5
CS 240, Application Integration using VBA	5
Total Credits	15
Winter Quarter	
CS 141, Computer Science I JAVA ³	5
CS 231, Application Development	5
CS 245, Advanced Database Development	5
Total Credits	15
Spring Quarter	
CS 229, Dynamic Website Design with PHP MySQL	5
CS 241, Programming II (JAVA/C++)	5
CS 242, Advanced Software Development	5
CS 291, Cooperative Work Experience II	2
CS 192, Cooperative Seminar I (J)	2
CS 292, Cooperative Seminar II (L)	1
Total Credits	20
Total Year Two	50
Total Credits	100

¹ - Students may elect to substitute CS 140, CS 142 or CS 230 for CS 121. Please note the course for substitution may only be used once in the degree sequence.
² - Students may substitute CS 275, Windows Client for CS 130, PC Support and Maintenance I.
³ - Students may take CS 131, CS 140, CS 142 or CS 230 for the elective course. Please note this elective course cannot be a course previously used as a substitution for another requirement.

(R) - BUS 102, PSYC& 100 (M) - BUS 112, ELECT MAT3, MATH 074C
 (W) - BUS 137, ENGL& 101 (O) - CMST 102, CMST& 220
 (J) - CS 192, ELECT CS5 (L) - CS 292, ELECT CS3

EPC: 501

AAAS Networking	Year One
Fall Quarter	
CS 110, Introduction to Computers and Applications	5
CS 115, Introduction to Computer & Information Technology	5
CS 120, Networking Using Internet Technologies	5
CMST& 220, Public Speaking (O)	5
Total Credits	20
Winter Quarter	
CS 121, Problem Solving with Programming [*]	5
CS 125, Operating Systems	5
MATH 078E, Intermediate Algebra (M)	5
Total Credits	15
Spring Quarter	
CS 130, PC Support and Maintenance I	5
PSYC& 100, General Psychology (R)	5
ENGL& 101, English Composition I (W)	5
Total Credits	15
Total Year One Credits	50
Year Two	
Fall Quarter	
CS 260, Unix/Linux Operating Systems	5
CS 265, CCNA 1	5
CS 275, Windows Client	5
Total Credits	15
Winter Quarter	
CS 266, CCNA 2	5
CS 267, CCNA 3	5
CS 276, Windows Server	5
CS 277, Fund of Network Security	5
Total Credits	20
Spring Quarter	
CS 268, CCNA 4	5
CS 278, Windows Server Infrastructure	5
CS 280, Novell SUSE Server	5
CS 291, Cooperative Work Experience	2
CS 192, Cooperative Seminar I (J)	2
CS 292, Cooperative Seminar II (L)	1
Total Credits	20
Total Year Two	55
Total Credits	105

^{*} - Students may elect to substitute CS 131, CS 140, CS 142 or CS 230. Please note the course for substitution may only be used once in the degree sequence.
 (R) - BUS 102, PSYC& 100 (M) - BUS 112, ELECT MAT4, MATH 078E
 (W) - BUS 137, ENGL& 101 (O) - CMST 102, CMST& 220
 (J) - CS 192, ELECT CS5 (L) - CS 292, ELECT CS3

EPC: 527

Digital Design Certificate	Year One
Fall Quarter	
CS 110, Introduction to Computers and Applications ¹	5
CS 223, Computer Layout and Design (Photoshop) ²	5
MATH 078E, Intermediate Algebra (M)	5
Total Credits	15
Winter Quarter	
CS 226, Web Design Specialist I	5
CS 227, Web Design Specialist II	5
ENGL& 101, English Composition I (W)	5
Total Credits	15
Spring Quarter	
CS 228, Website Design Specialist III	5
CS 250, Site Development Associate HTML V ³	5
PSYC& 100, General Psychology (R)	5
Total Credits	15
Total Certificate Credits	45

¹ - Students may elect to take either CS 110, Introduction to Computers and Applications or CS 115, Introduction to Computer and Information Technology.
² - Students may elect to substitute CS 222 or CS 224.
³ - Students may elect to substitute CS 140, CS 141, CS 142, or CS 229.

(R) - BUS 102, PSYC& 100 (W) - BUS 137, ENGL& 101
 (M) - BUS 112, ELECT MAT4, MATH 078E

EPC: 507C

Software Design Certificate	Year One
Fall Quarter	
CS 110, Introduction to Computers and Applications	5
CS Elective ¹	5
MATH 078E, Intermediate Algebra (M)	5
Total Credits	15
Winter Quarter	
CS Elective ²	5
CS Elective ³	5
ENGL& 101, English Composition I (W)	5
Total Credits	15
Spring Quarter	
CS Elective ²	5
CS Elective ³	5
PSYC& 100, General Psychology (R)	5
Total Credits	15
Total Certificate Credits	45

¹ - Students may elect to take either CS 110, Introduction to Computers and Applications or CS 115, Introduction to Computer and Information Technology.
² - Students may select from the following for the Computer Science elective credits: CS 121, CS 131, CS 140, CS 141, CS 142, CS 229, CS 230 or CS 240.
³ - Students may select from the following for the Computer Science elective credits: CS 121, CS 131, CS 140, CS 141, CS 142, CS 229, CS 230 or CS 240.

(R) - BUS 102, PSYC& 100 (W) - BUS 137, ENGL& 101
 (M) - BUS 112, ELECT MAT4, MATH 078E
 EPC: 501C

EPC: 501C

Networking Certificate	Year One
Fall Quarter	
CS 110, Introduction to Computers and Applications	5
CS 115, Introduction to Computer & Information Technology	5
CS 120, Networking Using Internet Technologies ¹	5
MATH 078E, Intermediate Algebra (M)	5
Total Credits	20
Winter Quarter	
CS 121, Problem Solving with Programming ²	5
CS 125, Operating Systems	5
ENGL& 101, English Composition I (W)	5
Total Credits	15
Spring Quarter	
CS 130, PC Support and Maintenance I ³	5
CS Elective	5
PSYC& 100, General Psychology (R)	5
Total Credits	15
Total Certificate Credits	50

¹ - Students may elect to substitute CS 260, CS 265 or CS 275.
² - Students may elect to substitute CS 121, CS 140, CS 142, CS 230, CS 266, CS 267, or CS 276.
³ - Students may elect to substitute CS 268, CS 277, CS 278, or CS 280.

(R) - BUS 102, PSYC& 100 (W) - BUS 137, ENGL& 101
 (M) - BUS 112, ELECT MAT4, MATH 078E

EPC: 527C

Walla Walla Community College does not discriminate on the basis of race, color, national origin, sex, disability or age in programs and activities.
 Document last updated 9/2013