Degree & Certificate Requirements

Computer Science Associate in Arts & Sciences (AA/DTA/MRP)

Direct Transfer Agreement/Major Related Program

2025-2026 Degree Requirements

Some colleges/universities have requirements for admissions to the Computer Science major that go beyond those specified below. Students can possibly meet these requirements by careful selection of distribution and additional elective courses. Students should work with a completion coach or advisor and the catalog of the four-year institution to which they plan to transfer for further guidance specific to their goals. Early in the program, students should check with their intended transfer university/college advisor for specific admissions and Computer Science program requirements for course choices where options are listed for Humanities, Mathematical & Natural Science, Social & Behavioral Science and electives. A cumulative college-level GPA of 2.0 is required. Some transfer institutions require a higher overall GPA, a higher GPA in a subset of courses, or a specific minimum grade in one or more courses. Check with your planned transfer institution for these requirements.

Communication *1

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENGL& 101	English Composition I [C]	5		
Select 5 credits from the following:				
ENGL& 102	Composition II [C]	5		
ENGL& 235	Technical Writing [C]	5		
	Subtotal	**10**		

Quantitative/Symbolic Reasoning

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
MATH& 151	Calculus I [M/S] [Q/SR]	5		
	Subtotal	**5**		

Humanities *2

Select from at least two different subject areas, with no more than 10 credits per subject area; only 5 credits of world language (Group C on the AA/DTA list) will apply. Courses must be selected from the distribution list for the AA/DTA degree.

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
		5		
		5		
		5		
	Subtotal	**15**		

Social & Behavioral Sciences *3

No more than 10 credits per subject area. Course selections must meet the distribution requirements for the AA degree.

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
		5		
		5		
		5		
	Subtotal	**15**		

Degree & Certificate Requirements

Mathematical & Natural Science *4

At least 10 credits must be from a lab science intended for science and engineering majors. The additional 5 credits can include Calculus 2 or a third lab science course. Please consult with your completion coach.

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
BIOL& 211	Majors Cellular W/ Lab [M/S]	5		
BIOL& 212	Majors Plant W/ Lab [M/S]	5		
BIOL& 213	Majors Animal W/ Lab [M/S]	5		
CHEM& 161	General Chemistry I W/ Lab [M/S]	5-6		
CHEM& 162	General Chemistry II W/ Lab [M/S]	5-6		
CHEM& 163	General Chemistry III W/ Lab [M/S]	5-6		
PHYS& 221	Engineering Physics I W/ Lab [M/S]	5		
PHYS& 222	Engineering Physics II W/ Lab [M/S]	5		
PHYS& 223	Engineering Physics III W/ Lab [M/S]	5		
MATH& 152	Calculus II [M/S] [Q/SR]	5		
	Subtotal	**15-18**		

Major Requirements *5

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Computer Programming I - select 5 credits from the following:				
CS& 131	Computer Science I C++ [M/S]	5		
CS& 141	Computer Science I Java [M/S]	5		
Computer Programming II - select 5 credits from the following:				
CS 162	C++2 [RE]	5		
CS 236	Advanced Object Oriented Programming [RE]	5		
	Subtotal	**10**		

Degree & Certificate Requirements

Electives *6

Course selections must meet the distribution requirements for the AA degree.

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
BIOL& 211	Majors Cellular W/ Lab [M/S]	5		
BIOL& 212	Majors Plant W/ Lab [M/S]	5		
BIOL& 213	Majors Animal W/ Lab [M/S]	5		
CHEM& 161	General Chemistry I W/ Lab [M/S]	5-6		
CHEM& 162	General Chemistry II W/ Lab [M/S]	5-6		
CHEM& 163	General Chemistry III W/ Lab [M/S]	5-6		
CS 260	Data Structures In C++ [RE]	5		
ENGL& 235	Technical Writing [C]	5		
FYI 101	First Year Introduction [RE]	1		
HDEV 101	Creating Academic Success [RE]	4		
HDEV 102	College Connections [RE]	3		
MATH& 152	Calculus II [M/S] [Q/SR]	5		
MATH& 153	Calculus III [M/S] [Q/SR]	5		
MATH& 254	Calculus IV [M/S] [Q/SR]	5		
MATH 243	Linear Algebra [M/S] [Q/SR]	5		
MATH 246	Discrete Structures [M/S] [Q/SR]	5		
MATH 255	Differential Equations [M/S] [Q/SR]	5		
PHYS& 221	Engineering Physics I W/ Lab [M/S]	5		
PHYS& 222	Engineering Physics II W/ Lab [M/S]	5		
PHYS& 223	Engineering Physics III W/ Lab [M/S]	5		
	Subtotal	**25-40**		
	Total Credits Required	**95-113**		

Graduation Requirements:

- Required minimum 95 credits.
- Required minimum cumulative college-level GPA of 2.0.
- Minimum grade per course 1.0.
- At least one-third of the college-level, degree applicable credits must be taken at CBC.
- Depending on your major, some course choices may be more appropriate than others. Consult with your counselor, completion coach or faculty advisor.
- A student may not use equivalent cross-listed courses for the same graduation requirement. Refer to the Cross-Listed Courses section of the catalog for more information, and consult with your completion coach or advisor.
- Maximum three credits of PE may be applied.
- Refer to Catalog Option Policy for information about using previous degree requirements.
- For individual college requirements, see Provisions on our Transfer Opportunities webpage.

*1

- Whitworth & Gonzaga- Oral Communication in place of English Composition II or Technical Writing – 5 credits
- WSU – Strongly recommend Technical Writing instead of Composition II to meet degree requirements at transfer – 5 credits

*2

- Gonzaga - Philosophy (Intro or Ethics), Literature, and Humanities (Art, Music, Theatre, etc.) – 15 credits

*3

- All UW Campuses - Require completion of a diversity course(s) that explores how social systems create different life outcomes for different people, how to recognize and work with the differences, and how to improve on the systems. For courses that meet this institutional requirement, please speak with an advisor from the campus you wish to attend.
- Gonzaga - History (World or Western Civ, US History); and Psyc, Soc, Crim, or Anthro 101

*4

- 10 quarter credits from any lab science intended for science and engineering majors
- Gonzaga – One -year 'major-level' BIOL, CHEM or Calc-Based PHYS and labs; Calculus 2/3
- WSU-Vancouver – One year of Calc-Based PHYS and labs or science courses selected from a list of options--talk with a CS advisor to ensure transfer
- 5 quarter credits Calculus 2 or a third science w/lab planned with an advisor

*5 Major Requirements vary based on your transfer institution. Contact your potential transfer institution(s) for best course selection.

- 5 quarter credits Computer Programming I

- 5 quarter credits Computer Programming II

*6 Elective requirements vary based on your transfer institution. Contact your potential transfer institution(s) for best course selection.

- The remaining elective courses are common, suggested transfer preparation for all participating bachelor's degree granting institutions. The degree becomes tailored for preparation to a transfer institution through appropriate selection of elective courses. An elective course that is appropriate for one baccalaureate institution may not be the appropriate choice for another baccalaureate institution. It is critical that students be in communication with advisors at their community or technical college and the intended transfer baccalaureate institution(s). Remaining elective credits should be planned with the help of an advisor based on the requirements of the intended transfer baccalaureate institution(s). The participating institutions to this agreement are committed to reaching out and welcoming students to ask questions and connect with advisors to ensure successful transfer and degree completion.
- Advanced Data Structures, Calculus 3, Calculus 4, Computer Architecture, Data Science - Intro, Data Structures, Differential Equations, Digital Logic, Discrete Math, Discrete Structures, Lab Science intended for science and engineering majors, Linear Algebra, Programming Tools, Statistics Calculus based, Technical Writing