Degree & Certificate Requirements

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

TRANSFER

2020-2021 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 counselor, completion coach or academic 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 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

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENGL&101	English Composition I [C]	5		
English *1 or Communication *1 - select 5 additional credits:				
ENGL&102	Composition II [C]	5		
ENGL&235	Technical Writing [C]	5		
CMST&220	Public Speaking [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

No more than 10 credits per discipline area; only 5 credits of world language will apply. 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**		

Social & Behavioral Sciences *3

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**		

Mathematical & Natural Science *4 *5

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
PHYS&221	Engineering Physics I w/ Lab [M/S]	5		
PHYS&222	Engineering Physics II w/ Lab [M/S]	5		
MATH&152	Calculus II [M/S] [Q/SR]	5		
	Subtotal	**15**		

Degree & Certificate Requirements

Major Requirements *6 *7

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
MATH&153	Calculus III [M/S] [Q/SR]	5		
MATH&254	Calculus IV [M/S] [Q/SR]	5		
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 [M/S]	5		
CS 236	Advanced Object Oriented Programming [M/S]	5		
	Subtotal	**20**		

Electives *8

Course selections must meet the distribution requirements for the AA degree

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
		5		
		5		
	Subtotal	**10**		
	Total Credits Required	**90**		

Note:

*1 Eastern Washington University (EWU) - ENGL&102. Whitworth University - Oral Coummunications.

*2 EWU - Introductory Ethics (PHIL 150). Gonzaga University - Philosophy (PHIL& 101), Communications (CMST& 101) and Ethics (PHIL 150) for 15 credits.

*3 Washington State University (WSU) Vancouver - Macro or Micro Economics (ECON& 201 or ECON& 202) for 5 credits.

*4 University of Washington (UW) Tacoma - Can subsititue PHYS& 222 with any lab-based science for 5 credits.

*5 UW Tacoma - Statistics (MATH& 146) instead of Calculus II (MATH& 152).

*6 UW Bothell - Statistics (MATH& 146) instead of Calculus III (MATH& 153) and Calculus IV (MATH& 254). UW Tacoma - Does not require Calculus III (MATH& 153) and Calculus IV (MATH& 254). WSU (all campuses) - Calculus III (MATH& 153) and Calculus IV (MATH& 254).

*7 Central Washington University (CWU), UW Seattle, Heritage University - Two Java Courses (CS& 141 and CS 236). UW Bothell - Two courses in one language (C Sharp, C++, or Java). UW Tacoma - Intro Programming and Object Oreinted Programming (Java). WSU Tri-Cities - Two C++ courses. Other Institutions - Two courses in either C++ or Java.

*8 EWU - Linear Algebra (MATH 243). Gonzaga - Engineering Physics w/Lab (PHYS& 223) and Descrete Math (MATH 246). Heritage and Whitworth - Engineering Physics III w/Lab (PHYS& 223). Pacific Lutheran University Tacoma, Pacific University and Seattle University - Physical, Biological and/or Earth Sciences w/Lab. WSU (all campuses) and Western Washington University - Physical, Biological and/or Earth Sciences w/Lab and Engineering Physics (PHYS& 223).