BELLEVUE COLLEGE

Major Transfer Guide:
Computer-Related Degrees

What are Computer-Related Degrees?

Computer-related degrees can be in a variety of fields, not just computer science or computer engineering. Computer related degrees range in a variety of disciplines, from geography to interactive media design. Students interested in computers and technology should first consider what specific interests they have and then determine which degree is the "best fit".

What can I do with a Computer-Related Degree?

The tech industry is huge. Students studying in computer-related fields can go on to work in a variety of fields such as: cybersecurity, programing, application development, video gaming, robotics, software design, and many more. Each computer-related major is different, so it is important to read the program websites and attend information sessions offered by the universities that you are considering so you are familiar with the school's admission expectations and deadlines.

Related Majors

Computer Science	Applied Computational Math
Computer Engineering	Human Centered Design Eng.
Informatics	Information Systems Tech.
Applied Computing	Data Analytics
Interactive Media Design	Geographic Information Syst.

Where can I study a Computer Related Degree?

Nearly every college or university has some computer-related programs available. However, when thinking of pursuing a computer related degree, it is incredibly important you are aware of the prerequisite courses work for those programs. This is because not every university offers the same type of computer-related degrees. And even among those that do their tends to be some differences among the prerequisites. Your task at BC should not only be trying to complete the associates degree that is the best fit for you, but also to try and complete the most if not all of the prerequisites for your desired programs.

How do I get started?

We are here to help you get started on your path to a computer related degree here at BC! But first, as mentioned earlier, there is a huge amount of diversity amongst the computer related degrees, so it is incredibly important that you figure out which program fits your goals best. Consider doing the following to help you get started:

Step One: Research

Making an informed decision about a major requires active research. Here are steps students should complete while determining whether a computer-related major is the best fit for their goals:

☐ Log on to WOIS.org and check out potential careers. Look at what type of background is necessary. If you have more questions be sure to check out the Center for Career Connections on the second floor of the B building.

☐ Research universities that offer the degree you desire. Read the Computer Science and other computer-related department websites of your top transfer schools and compare. Pay attention to the types of research, educational opportunities, and courses/emphases offered.

☐ Every university and major concentration **may require different prerequisite courses** prior to enrolling in their program. Contact a departmental representative at your potential transfer university.

☐ Admission to most programs is competitive and GPA requirements vary. For example, most students who are accepted to the UW Seattle Computer Science program have a 3.7 GPA or higher while other CS programs might require a minimum 3.0 - 3.5.

☐ Explore the Bellevue Science Advising web page. Specifically look at the technology section and the supplemental materials.

Step Two: Pick a BC Degree

As a transfer student, you not only have the responsibility of researching the prerequisite courses required for your computer-related degree, but you should also consider completing a transfer associates degree at BC. We offer several transfer degrees at BC, though the best degree for you to work through will depend on your interests and intended major, a few of which are listed below, along with some of the schools that offer those majors (please note that this is <u>not</u> a complete list).

Bellevue College Degree	Bachelor Degrees with Computer-Related "Majors"
Associate in Arts and Sciences (AAS-DTA)	**Computer Science**, B.S (most schools) **Applied Computing**, B.A.(UW Seattle, UW Bothell) **Interactive Media Design,** B.A. (UW Bothell) **Informatics/Cybersecurity**, B.S. (UW Seattle, SPU, WWU, CWU, WGU) **Information Technology, Systems, etc**, B.S. (UW Tacoma, CWU, CWU-Online, City University, EWU, WGU-Online, BC) **Human-Centered Design and Engineering**, B.S. (UW Seattle) **Web/Game Design**, B.A., B.S. (EWU, UW Seattle, CWU) **Game Design**, B.A. (EWU, UW Bothell, Art Institute of Seattle) **Geographic Info Systems,** B.A. (UW Seattle; Certs: CWU, EWU, WWU)
Associate in Science: Track II (AS-2)	**Computer Engineering**, B.S. (most schools) **Computer Science**, B.S. (some schools require a full year of Physics)
BC Associate in Applied Science-T (AAS-T): Information Systems OR Network Services & Computing Systems *These may not transfer to some universities*	**Information Systems and Technology**, B.A.S. (Bellevue College) **Data Analytics**, B.A.S. (Bellevue College) **Healthcare Technology and Management,** B.A.S. (Bellevue College) **Information Tech and Administrative Management**, B.A.S (CWU)

Step Three: Make a Plan

Because prerequisites vary so much between schools and programs, we cannot list them all on this sheet. It is **highly recommended** that you speak with a representative at your <u>target university</u> in conjunction with an academic advisor at BC to pick the best major for you and ensure you are taking the proper course sequences. Below are "shared prerequisites " for most Computer Science programs in the state. **Please note: this is not a complete list of prerequisites. Completing these courses alone might not qualify you to apply to a Computer Science program, depending on the school.**

Written Communication	Mathematics	Computer Science	Science	Other Courses for considerations
• ENGL 101 • ENGL 201 OR 235	• MATH& 151 • Math 152, 153, 254 (program dependent) • MATH 130 (UW Bothell/Tacoma)	• CS 210 • CS 211	• PHYSICS 121 (recommended) OR • CHEMISTRY or other sciences	• PROGRAMMING courses • Some programs require C++ Data Structures (CS 212) and Discrete Structures (not available at Bellevue) • Humanities and Social Sciences

Now that you have had a chance to review, consider meeting with an adviser. You can schedule an appointment with an academic adviser by calling by calling 425-564-2212 or by stopping by the Academic Advising front desk in the B building.

This is an unofficial guide only, designed to prepare students for entry into Washington State Biology programs. It is the student's responsibility to research and communicate with all community college and university programs to which he/she intends to apply to establish prerequisites and admission requirements, as they vary and are subject to change without notice.