COMPUTER SCIENCE MAJOR GUIDE

WHICH DEGREE FROM NSC WILL PREPARE ME TO MAJOR IN COMPUTER SCIENCE?

Associate of Science - DTA
Generally speaking, most of the common computer science program prerequisites fit into this degree. This degree also allows you to complete most of the general education credits you need in order to earn a bachelor’s degree.

Associate of Science Option 2
If you need or want to take more science courses than typically required for admission to a CSC major, you can choose this degree option. Since this degree requires only 15 credits of general education credits, you will need to take more general education credits after you transfer to a 4-year university.

WHAT ARE SOME COMMON PREREQUISITES I WILL NEED TO PREPARE FOR A COMPUTER SCIENCE MAJOR?

Every university will require slightly different prerequisites and recommend you prepare for the major in different ways. It is highly recommended you speak with a representative at the university you are interested in attending to ensure you are taking the correct courses. Below is a general list of the most commonly required courses for computer science programs:

<table>
<thead>
<tr>
<th>Commonly required courses for most of the computer science programs</th>
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<td><strong>ENGLISH</strong></td>
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<td><strong>COMPUTER SCIENCE</strong></td>
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<td><strong>MATH</strong></td>
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<td><strong>PHYSICS</strong></td>
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Important Notes:
- CSC110 is a prerequisite to CSC142. It is not an admissions requirement.
- Some schools require MATH220, MATH146, BUS210, ENGL102, or ENGL235 in addition to the courses listed above.
- Some schools accept CHEM161 or BIOL211 for PHYS221.
- Some schools require completion of a whole sequence of PHYS221, &222, &223, CHEM161, &162, &163, or BIOL211, &212, &213.
- Since sequences should be completed at the same college or the sequence may not count upon transfer.

OVERVIEW OF A COMPUTER SCIENCE MAJOR

“Computer science programs prepare people to work on computing problems and solutions. These programs are sometimes called computer information and science or computer science and engineering.

Computer science programs include topics such as:
- Computer theory
- Computer system design
- Computer development and programming
- Computer applications”

(Adapted from www.wois.org)

Careers related to Computer Science:
- Game Developer
- Mobile Applications Programmer
- Information Security Analyst
- Big Data Analyst
- AI (Artificial Intelligence)
- Robotics

If you want to know about what you can do with computer science major, visit: www.uncw.edu/career/WhatCanIDoWithaMajorIn.html
TO LOOK FOR UNIVERSITIES THAT OFFER COMPUTER SCIENCE PROGRAMS

Washington Occupational Information System (WOIS)
http://www.wois.org/ (a site key is available at Student Success Services)
College Board
https://www.collegeboard.org/

COMPUTER SCIENCE COURSE SEQUENCE

All CSC courses are taught in Fall, Winter, and Spring. CSC 110 is always offered Summer quarter; other CSC classes may also be available in the summer. All the math classes listed below are offered every quarter.

It is important to plan well to ensure that you have completed all prerequisites before enrolling.

The following diagram shows the prerequisite relationships for the CSC courses:

Students must earn at least a 3.0 in a prerequisite Computer Science class to move on.

HOW TO RUN A DEGREE AUDIT

1. Log into MyNorth at https://mynorth.seattlecolleges.edu/
2. Click “MyNorth” button
3. Click “Degree Audit” button
4. Log into Degree Audit system
5. Choose a degree from the drop down menu bar
6. Click “Run Audit” button

This is an unofficial guide only. It is designed to help students prepare for entry into Washington state programs. It is the student’s responsibility to communicate with their intended universities to ensure they are properly preparing for their intended major.

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