

## Pathway: Computer Science

### Area of Study: Science, Technology, Engineering, and Math



Seattle Colleges is committed to accessibility. If support is needed in accessing the information within this document please contact [ds@seattlecolleges.edu](mailto:ds@seattlecolleges.edu).

### Overview

This pathway meets requirements for the Associate of Computer Science DTA/MRP. Completion of this degree prepares you to transfer into a computer science major at a four-year college or university, which opens doors to a variety of software development careers in the tech sector including specializations like cybersecurity, machine learning, or artificial intelligence. (Read program QR code to see more)

### Estimated Length of Completion

Degree: Associate in Computer Science DTA/MRP (CSACSAA)

9 quarters, Part time

### Career Opportunities

A Computer Science pathway can lead to various career opportunities. Examples include:

- Opportunities include:
- Software Programmer/Engineer/Developer
- Systems Manager
- Web/Game/Cloud/Mobile Developer
- Systems Analyst
- UX Designer

Areas of specialization may include:

- Cybersecurity
- Artificial Intelligence
- D ...(Read program QR code to see more)



### Future Education

Once you complete the Associate of Computer Science DTA/MRP, additional education opportunities include:

- A Bachelor's degree in Computer Science at North Seattle College or another college or university.

Other options include: Informatics, Applied Computational Math, Computer Engineering or a related field with additional coursework. Talk with your advisor to customize your educational plan.

North Seattle College has direct transfer agreements with four-year institutions throughout Washington state, including the University of Washington, Washington State University, and Seattle University. Computer Science graduates from North have also transferred to out-of-state institutions.

Program and admissions requirements vary from college-to-college. Contact an advisor to create an educational plan tailored to transfer to the institution of your choice. Once you complete the associate degree, additional education opportunities include:



Scan QR code to learn more about this program.

05/20/2024



## Pathway: **Computer Science**

### Area of Study: **Science, Technology, Engineering, and Math**



#### **Get Started**

**Step 1:** Apply and register at North Seattle College anytime (the application is always free). Once you become a student, register for classes using the online class schedule and go to the academic calendar for registration dates and tuition deadlines.

**Step 2:** See an advisor to create a personalized educational plan by the end of your second quarter. Your plan will include prerequisites, graduation requirements, and transfer preparation if you plan to transfer to another college or university to earn a bachelor's degree.

#### **Tuition and Fees**

Learn more about the [estimated cost of attendance and general fees to attend college](#).

#### **Financial Aid and Funding Resources**

It's time to apply for Financial Aid for next year by completing either the [FAFSA](#) or the [WASFA](#) 2024-25.

#### **Need help paying for college?**

To apply for financial aid, including grants and scholarships you don't have to pay back, visit [North's Financial Aid Department](#) for details. Part-time and full-time students can qualify for financial aid funds.

#### **Program Contact**

##### **Program Coordinator**

[Bill Barry](#)  
[email](#)  
(206) 934-7006

##### **Location**

IB 2429

##### **Math & Science Division Contacts**

(206) 934-3746  
(206) 934-3748 (fax)

##### **Mailing Address**

NSC Math & Science Division  
9600 College Way N  
3N2429  
Seattle, WA 98103

##### **Advising Contact**

Contact the [Science, Technology, Engineering, and Mathematics Area of Study advisor](#).

Phone: (206) 934-3658



Scan QR code to learn more  
about this program.

05/20/2024



## Pathway: **Computer Science**

### Area of Study: **Science, Technology, Engineering, and Math**



#### Before Quarter One

- [Pre-College or Transitional Studies Math](#) (if needed)
- [Pre-College or Transitional Studies English](#) (if needed)
- Visit potential transfer universities and meet Computer Science transfer advisors.
- PHYS& 114 or high school physics if needed
- Apply for [Financial Aid](#) and other funding before your first quarter. Visit the [Financial Aid Office](#) to explore how to pay for college.
- [Transfer previous college credits](#) to North if applicable.
- Attend [New Student Orientation](#).
- [Explore placement options](#): take the [math](#) and [English](#) placement tool if needed.
- Make an informed choice on the [number of units to take each quarter](#).
- F-1 international students must enroll full time (12+ units) each quarter and check in with the [International Programs office](#) before the start of the quarter if enrolling in less than 12 units and/or before starting any work or volunteer experience.
- If you need academic accommodations for a documented disability, please contact [Disability Services](#).

A sample schedule and quarterly to-do list are below. The schedule and to-do list will help you explore courses and complete tasks on time. The guide assumes a fall quarter start, but you can begin in any quarter.

#### Sample Schedule

This is an example of a quarterly schedule:

##### Quarter 1

- ENGL&101 English Composition I (5 units)
- MATH&141 Precalculus I (5 units)

##### Quarter 2

- CSC110 Intro to Cmptr Progming (5 units)
- MATH&142 Precalculus II (5 units)

##### Quarter 3

- MATH&151 Calculus I (5 units)
- Individuals/Cultures/Societies (5 units)

##### Quarter 4

- HUM105 or Visual, Literary and Perf Arts (5 units)
- MATH&152 Calculus II (5 units)

##### Quarter 5

- CSC142 Computer Programming I (5 units)
- MATH&146 or MATH&163 (5 units)

##### Quarter 6

- ENGL&235 or CMST&220 or ENGL&102 (5 units)
- CSC143 Computer Programming II (5 units)

##### Quarter 7

- CMST&101 or CMST&230 or Visual, Literary and Perf Arts (5 units)
- PHYS&221 Engineering Physics I (5 units)

##### Quarter 8

- ECON&201 or ECON&202 or Individuals/Cultures/Societies (5 units)
- Visual, Literary and Perf Arts (5 units)

##### Quarter 9

- Pick one from the following list (5 units)  
PHIL& 101 | PHIL 102 | PHIL 110 |  
Individuals/Cultures/Societies
- PHYS&222 Engineering Physics II (5 units)



Scan QR code to learn more  
about this program.

05/20/2024



## Pathway: **Computer Science**

### Area of Study: **Science, Technology, Engineering, and Math**



#### Sample Quarterly To-Do List

This is an example of a quarterly to-do list:

##### Quarter 1

- Schedule an appointment with your assigned advisor in [Starfish](#) to meet and discuss your goals. Learn more about Starfish [here](#).
- Explore careers and majors through workshops, [counseling](#) and [career services](#).
- Come to the [Library](#) to get help with research; check out resources; access computers and study space; and create media projects.
- Visit the [Student Learning Center](#) to learn about tutoring services offered in-person and online.
- Check out [campus life: Student Clubs and Affinity Groups](#) (such as computer science club), [TRIO](#), [Equity & Welcome Center](#), [Wellness Center](#), etc.
- Apply to [LSAMP](#).

##### Quarter 2

- Create an [educational plan](#) with your [assigned advisor](#).
- Apply for [financial aid](#) for the upcoming academic year in Winter or Spring quarter to maximize your funding options.
- Visit [North's Transfer webpage](#) for transfer information.
- Research and develop a list of four-year colleges and universities.
- Check out internship opportunities through [Handshake](#).

##### Quarter 3

- Research and develop a list of four-year colleges and universities.
- Apply for the [Seattle Colleges Foundation Scholarship](#) and [other scholarships](#).
- Consider [Student Leadership positions](#) and other [on-campus jobs](#) such as lab aid.

##### Quarter 4

- Update your educational plan and confirm your program of study with your [assigned advisor](#).
- Attend STEM Career Fair.
- Attend Engineering Mentor Night.

##### Quarter 5

- Attend [transfer events](#) at North and universities of interest.
- Update your educational plan and Natural World Lab plan with your [assigned advisor](#).
- Consider becoming a Computer Science tutor with the Student Learning Center.
- Apply for [financial aid](#) for the upcoming academic year in Winter or Spring quarter to maximize your funding options.



Scan QR code to learn more about this program.

05/20/2024

## Pathway: **Computer Science**

### Area of Study: **Science, Technology, Engineering, and Math**



#### Quarter 6

- Apply for [financial aid](#) for the upcoming academic year in Winter or Spring quarter to maximize your funding options.
- Look for summer internships such as Research Experience for Undergraduates (REUs).
- Visit potential universities and determine application deadlines.
- Apply for the [Seattle Colleges Foundation Scholarship](#) and [other scholarships](#).
- Contact Computer Science departments at potential universities.
- Check out internship opportunities through [Handshake](#).

#### Quarter 7

- Write your personal statement for university applications.
- Explore possible Computer Science internships.
- Apply to universities or colleges and scholarships.

#### Quarter 8

- [Apply](#) for the [Associate of Science - Direct Transfer Agreement \(AS-DTA\)](#) degree in ctcLink. Check with your assigned advisor to be sure you are meeting degree requirements.
- Apply for [financial aid](#) for the upcoming academic year in Winter or Spring quarter to maximize your funding options.
- Apply to universities or colleges and scholarships.

#### Quarter 9

- Check in with university for transfer plan.



Scan QR code to learn more about this program.

05/20/2024