

## Pathway: Computer Science

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



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### 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)

6 quarters, Full 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
- Information Researcher
- UX Designer

Areas of specialization may include:

- Cybersecurity
- Ar ...(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.



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#### **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



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#### 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)
- CSC110 Intro to Cmptr Progming (5 units)
- MATH&141 Precalculus I (5 units)

##### Quarter 2

- ENGL&102 or ENGL&235 or CMST&220 (5 units)
- HUM105 or Visual, Literary and Perf Arts (5 units)
- MATH&142 Precalculus II (5 units)

##### Quarter 3

- CSC142 Computer Programming I (5 units)
- ECON&201 or ECON&202 or  
Individuals/Cultures/Societies (5 units)
- MATH&151 Calculus I (5 units)

##### Quarter 4

- CSC143 Computer Programming II (5 units)
- MATH&152 Calculus II (5 units)
- Visual, Literary and Perf Arts (5 units)

##### Quarter 5

- MATH&146 or MATH&163 (5 units)
- Pick one from the following list (5 units)  
PHIL& 101 | PHIL 102 | PHIL 110 |  
Individuals/Cultures/Societies
- PHYS&221 Engineering Physics I (5 units)

##### Quarter 6

- CMST&101 or CMST&230 or Visual, Literary and Perf Arts (5 units)
- Individuals/Cultures/Societies (5 units)
- PHYS&222 Engineering Physics II (5 units)



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### 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.
- Research and develop a list of four-year colleges and universities.
- Attend [transfer events](#) at North and universities of interest.
- Visit [North's Transfer webpage](#) for transfer information.

#### Quarter 3

- Update your educational plan and Natural World w/ Lab plan with your assigned advisor.
- Visit potential universities and determine application deadlines.
- Apply for the [Seattle Colleges Foundation Scholarship](#) and [other scholarships](#).
- Consider [Student Leadership positions](#) and other [on-campus jobs](#).
- Attend the University of Washington Undergraduate Research Symposium.
- Explore summer course offerings from your second year classes.

#### Quarter 4

- Update your educational plan and Natural World Lab plan and confirm your program of study with your [assigned advisor](#).
- Contact Computer Science departments at potential universities.
- Write your personal statement for university applications.
- Attend transfer fair and workshops.
- Consider becoming a Computer Science tutor with the Student Learning Center.
- Attend STEM Career Fair and Engineer mentor night.



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**Quarter 5**

- [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.
- Update your educational plan with your [assigned advisor](#).
- Contact Computer Science departments at potential universities.
- Attend transfer fair and workshops.
- Write your personal statement for university applications.

**Quarter 6**

- <https://handshake> Check in with university for transfer plan.
- Order cap and gown for commencement and join [alumni association](#).
- Attend on-campus graduation fair and commencement ceremony.
- Check out internship opportunities through [Handshake](#).



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