

Pathway: Chemistry

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



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Overview

This pathway is designed to meet [Associate of Science - Transfer, Track 1](#) (AS-Track 1) degree requirements with a concentration in Chemistry. Completion of this degree opens doors to a variety of careers in public and private sectors such as academia, industry, and medicine. It also allows you to transfer into a Chemistry or related major at a four-year college or university.

Estimated Length of Completion

Degree: Associate of Science - Transfer, Track 1 (LRST1AS)

7 quarters, Full time

Career Opportunities

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

Industry

- Research & Development
 - Pharmacology, Applied Research, Chemical Engineer, Chemical Technology, Materials Science
- Quality Control/Regulatory
 - Chemical Health and Safety, Hazardous waste, Toxicology
- Sales/Marketing
 - Technical Sa ...(Read program QR code to see more)



Future Education

Once you complete this associates degree, additional education opportunities include, but are not limited to:

- Bachelor's degree in Chemistry, or a related field at a four-year college or university.
- Medical Certifications
- [Bachelor of Applied Science \(BAS\)](#) degree at one of the Seattle Colleges.

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. Chemistry graduates from North have also transferred to out-of-state institutions. Program and admissions requirements vary from college-to-college. Contact a North advisor to create an educational plan tailored to transfer to the institution of your choice. You can use the College Navigator search engine found at <http://nces.ed.gov/collegenavigator> to find Chemistry programs in Washington state or around the country.



Scan QR code to learn more about this program.

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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

Chemistry Coordinators

[Alissa Agnello](#)
[email](#)
(206) 934-7007

[Morgan Gleaves](#)
[email](#)
(206) 934-6798

Math & Science Division

Location

IB 2429

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 Math Area of Study advisor](#).

Phone: (206) 934-3658



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Before Quarter One

- Take CHEM&139 General Chemistry Prep as a prerequisite to CHEM&161 General Chemistry with Lab I or take the [chemistry placement exam](#).
- [Pre-College or Transitional Studies Math](#) (if needed).
- [Pre-College or Transitional Studies English](#) (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)
- CHEM&161 General Chem W/Lab I (6 units)
- MATH&141 Precalculus I (5 units)

Quarter 2

- CMST&220 or Visual, Literary and Perf Arts (5 units)
- CHEM&162 General Chem W/Lab II (6 units)
- MATH&142 Precalculus II (5 units)

Quarter 3

- ANTH275 or Individuals/Cultures/Societies (5 units)
- CHEM&163 General Chem W/Lab III (6 units)
- MATH&151 Calculus I (5 units)

Quarter 4

- CMST&230 or PHIL111 (5 units)
- MATH&152 Calculus II (5 units)
- PHYS&114 General Phys I W/Lab (5 units)

Quarter 5

- CHEM&241 Organic Chem I (4 units)
- PHYS&114 or PHYS&221 (5 units)
- MATH&163 Calculus 3 (5 units)
- UGR294 Independent Research (5 units)

Quarter 6

- CHEM&242 Organic Chem II (4 units)
- CHEM&251 Organic Chem Lab I (4 units)
- PHYS&115 or PHYS&222 (5 units)
- UGR294 Independent Research (5 units)

Quarter 7

- CHEM&243 Organic Chem III (4 units)
- CHEM&252 Organic Chem Lab II (4 units)
- PHYS&116 or PHYS&223 (5 units)
- UGR294 Independent Research (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. Biology/chemistry tutoring lab is located in HS 2642A.
- Check out [campus life: Student Clubs \(including STEM focused clubs\) and Affinity Groups, 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.
- Consult Chemistry coordinators regarding internal and external STEM focused scholarships.

Quarter 3

- Update your educational 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 "Making Learning and Teaching Visible" campus event every spring.
- Talk with your chemistry instructor about undergraduate research and internship opportunities.

Quarter 4

- Update your educational plan and confirm your program of study with your [assigned advisor](#).
- Contact Chemistry departments at potential universities.
- Write your personal statement for university applications.
- Pursue work study opportunities in the stockroom and student learning center.
- Consider taking PHYS&114 (General Physics I w/ Lab) as a prerequisite for the PHYS 221, 222, 223 (Engineering Physics I, II, III) sequence if you would like to start that sequence quarter 5. Talk with your advisor about the right physics sequence for your goals.



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Quarter 5

- 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.
- Attend transfer fair and workshops.

Quarter 6

- [Apply](#) for the [Associate of Science - Transfer, Track 1 \(AS-Track 1\)](#) degree in ctcLink. Check with your assigned advisor to be sure you are meeting degree requirements.
- Check in with university for transfer plan.
- Update your educational plan with your [assigned advisor](#).

Quarter 7

- Continue with undergraduate research and internship opportunities.
- Order cap and gown for commencement and join [alumni association](#).
- Attend on-campus graduation fair and commencement ceremony.



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