Pathway: **Bio/Chemical Engineering**
Area of Study: **Science, Technology, Engineering, and Math**

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Overview
This pathway meets requirements for the Associate of Science Track 2 (AS Track 2) degree with a concentration in Bio/Chemical Engineering. Completion of this degree opens doors to a variety of careers in sectors including research and design, business, government, and industries in Bio/Chemical Engineering fields.

Students in this pathway develop skills in problem solving, critical thinking, verbal communication, analysis and research, computer and technical literacy, group communication and collaboration, interpersonal communication and leadership.

Estimated Length of Completion
Degree: Associate of Science - Transfer, Track 2 (PHST2AS)
8 quarters, Full time

Career Opportunities
A Bio/Chemical Engineering pathway can lead to various career opportunities. Examples include:

Bio Engineering

- Biomedical
- Biochemical
- Biological Systems
- Bioprocess
- Biotechnology
- Biomechanical
- Environmental Health

Chemical Engineering

- Plant Design and Operation
- Safety and Hazard Assessment ...(Read program QR code to see more)

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
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Math & Science Division

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Advising Contact
Contact the Science, Technology, Engineering and Mathematics Area of Study advisor

206-934-3658

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.

A sample schedule is below. The schedule will help you explore courses. 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
- CHEM&161 General Chem W/Lab I (6 units)
- ENGL&101 English Composition I (5 units)
- MATH&151 Calculus I (5 units)

Quarter 2
- CHEM&162 General Chem W/Lab II (6 units)
- MATH&152 Calculus II (5 units)
- PHYS&221 Engineering Physics I (5 units)

Quarter 3
- CHEM&163 General Chem W/Lab III (6 units)
- MATH&163 Calculus 3 (5 units)
- PHYS&222 Engineering Physics II (5 units)

Quarter 4
- PHYS&223 Engineering Physics III (5 units)

Quarter 5
- CSC110 Intro to Cmptr Progming (5 units)
- MATH238 Differential Equations (5 units)
- CHEM&241 Organic Chem I (4 units)

Quarter 6
- Visual, Literary and Perf Arts (5 units)
- CSC142 or ENGR240 (5 units)
- BIOL&211 or CHEM&242 (variable units)

Quarter 7
- BIOL&212 or MATH220 (5 units)
- Individuals/Cultures/Societies (5 units)

Quarter 8
- BIOL&213 Majors Plant (5 units)
- Visual, Literary and Perf Arts or Individuals/Cultures/Societies (5 units)
- Recommended: ENGL&235 (5 units)

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