

## Pathway: Mechanical 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 Mechanical Engineering. Completion of this degree prepares you to transfer into Mechanical Engineering major at a four-year college or university, which opens doors to a variety of careers in sectors including research and design, business, government, education, and industries. (Read program QR code to see more)

#### Estimated Length of Completion

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

#### Career Opportunities

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

- Energy Systems
- Applied Mechanics
- Automotive Design
- Manufacturing
- Materials
- Plant Engineering
- Pressure Vessels and Piping
- Heating/Refrigeration/Air Conditioning
- Production Operation
- Technical Sales

A Bach ...(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

##### Program Coordinator

[Jae Hyeuk Suk](#)  
[email](#)  
(206) 934-4586

#### Math & Science Division

##### Location

IB 2424A

##### Division Contacts

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

##### Mailing Address

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

##### Dean

[Vashti Bryant](#)

#### 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.

05/03/2024



## Pathway: **Mechanical Engineering**

### 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.

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

- ENGL&101 English Composition I (5 units)
- MATH&151 Calculus I (5 units)
- Visual, Literary and Perf Arts or Individuals/Cultures/Societies (5 units)
- Recommended: ENGR&110 (2 units)

##### Quarter 2

- CHEM&161 General Chem W/Lab I (6 units)
- MATH&152 Calculus II (5 units)
- PHYS&221 Engineering Physics I (5 units)

##### Quarter 3

- CHEM&162 General Chem W/Lab II (6 units)
- MATH&163 Calculus 3 (5 units)
- PHYS&222 Engineering Physics II (5 units)

##### Quarter 4

- PHYS&223 Engineering Physics III (5 units)
- Visual, Literary and Perf Arts (5 units)

##### Quarter 5

- CSC110 Intro to Cmptr Progming (5 units)
- ENGR&214 Statics (5 units)
- MATH220 or MATH238 (5 units)

##### Quarter 6

- ENGR&215 Dynamics (5 units)
- ENGR240 or CSC142 (5 units)
- MATH220 or MATH238 (5 units)

##### Quarter 7

- ENGR&224 Thermodynamics (5 units)
- ENGR&225 Mechanics of Materials (5 units)
- Individuals/Cultures/Societies (5 units)

##### Quarter 8

- ENGL&235 Technical Writing (5 units)



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