

Pathway: **Electrical Engineering**

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



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Overview

This pathway is designed for students who wish to complete an Associate of Science - Track 2 degree with a concentration in Engineering. Students in this program will study the application of mathematics, science, and practical experience to invent, innovate, design, build, maintain, research, and improve products that impact people's lives. This program provides options to study engineering applications across many fields, with courses in the natural sciences, computer science, math, engineering and more. (Read program QR code to see more)

Estimated Length of Completion

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

Career Opportunities

An Electrical and Computer Engineering pathway can lead to various career opportunities. Examples include:

- Energy Systems
- Power Engineering
- Microelectronics
- Systems and Control
- Signal Processing
- Multimedia Processing
- Telecommunications
- Embedded System Design
- Video, Image, and Speech Processing
- Instrumentation ... (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 [South's Financial Aid Department](#) for details. Part-time and full-time students can qualify for financial aid funds.

Program Contact

For more information, contact
Science, Technology, Engineering, Math, and Business
Division
206.934.3858
STEMB.Central@seattlecolleges.edu

Advising Contact

Advising hours and services: seattlecentral.edu/campus-life/student-support-and-services/transfer-and-career-advising/meet-advisor

Schedule in-person, Zoom, or phone appointments: [Starfish](#)

Email: AdvisorCentral@seattlecolleges.edu

Phone: 206.934.4068

Location: Broadway Campus BE1102D



Scan QR code to learn more about this program.

05/01/2024



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Get Started

Step 1: Apply and register at South 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)
- ENGR110 Engineering Orientation (2 units)
- Visual, Literary and Perf Arts (5 units)

Quarter 2

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

Quarter 3

- MATH&163 Calculus 3 (5 units)
- ENGL&102 Composition II (5 units)
- PHYS&222 Engineering Physics II W/ Lab (5 units)

Quarter 4

- CSC110 Intro to Computer Programming (5 units)
- Individuals/Cultures/Societies (5 units)

Quarter 5

- PHYS&223 Engineering Physics III W/ Lab (5 units)
- CSC142 Computer Programming I (5 units)
- MATH220 or MATH224 or MATH238 (5 units)

Quarter 6

- CSC143 Computer Programming II (5 units)
- MATH220 or MATH224 or MATH238 (5 units)
- ENGL204 English Language & Linguistics (5 units)

Quarter 7

- MATH220 or MATH224 or MATH238 (5 units)
- Individuals/Cultures/Societies or Visual, Literary and Perf Arts (5 units)



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