

Pathway: **Physics**

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



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Overview

This two-year pathway is designed for students who wish to complete an Associate of Science - Track 2 degree with a concentration in Physics. Students in this program develop an understanding of physics and skills in experimental design, teamwork, project management, programming, advanced math, technical writing, applying physics to interdisciplinary problems, and effective communication. (Read program QR code to see more)

Estimated Length of Completion

Degree: Associate of Science - Transfer, Track 2 (PHST2AS)

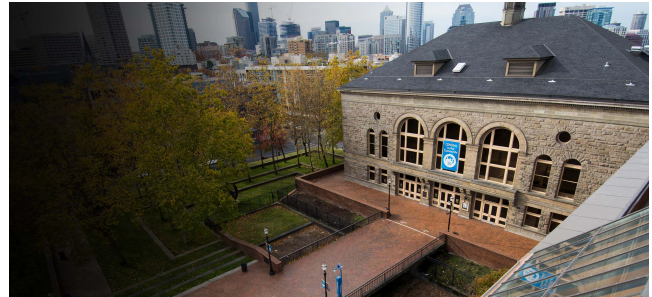
7 quarters, Full time

Career Opportunities

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

- Physical sciences technician
- Physics Teacher
- Engineer
- Programmer
- Research scientist
- Web developer
- IT consultant/data analyst
- Financial analyst

A Bachelor's degree or higher may be required. (Read program QR code to see more)



Future Education

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

A Bachelor's degree in **Physics** or a related field at a four-year college or university.

Seattle Central College has direct transfer agreements with four-year institutions throughout Washington state, including the University of Washington, Washington State University, and Seattle University. Physics graduates from Central have also transferred to out-of-state institutions. Program and admissions requirements vary from college-to-college. Contact a Central 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 Physics programs in Washington state or around the country.



Scan QR code to learn more about this program.

05/08/2024



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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.

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



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**SEATTLE CENTRAL
COLLEGE**

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Before Quarter One

- Attend New Student Orientation
- Explore careers and majors: workshops, counseling and [Career Exploration Center](#)
- Visit the [Financial Aid Office](#) to explore how to pay for college
- Transfer previous college credits to Central *if applicable*
- Take the [Math](#) and [English placement](#) if needed

Sample Schedule

This is an example of a quarterly schedule:

Quarter 1

- ENGL&101 English Composition I (5 units)
- HDC101 Orientation to College (3 units)
- STEM118 Sci, Equity, Social Justice (2 units)
- MATH&141 Precalculus I (5 units)

Quarter 2

- ENGL&102 or CMST&101 or CMST&220 (5 units)
- MATH&142 Precalculus II (5 units)
- CHEM&161 General Chemistry W/ Lab I (6 units)

Quarter 3

- MATH&151 Calculus I (5 units)
- CHEM&162 General Chemistry W/ Lab II (6 units)
- CSC110 Intro to Computer Programming (5 units)

Quarter 4

- PHYS&221 Engineering Physics I W/ Lab (5 units)
- MATH&152 Calculus II (5 units)
- Visual, Literary and Perf Arts or World Languages 1 (5 units)

Quarter 5

- PHYS&222 Engineering Physics II W/ Lab (5 units)
- MATH&163 Calculus 3 (5 units)
- Visual, Literary and Perf Arts or World Languages 2 (5 units)

Quarter 6

- PHYS&223 Engineering Physics III W/ Lab (5 units)
- MATH238 Differential Equations (5 units)
- Visual, Literary and Perf Arts (5 units)

Quarter 7

- MATH220 Linear Algebra (5 units)
- Individuals/Cultures/Societies (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 discuss your academic goals and to create a short-term educational plan
- Visit the [Learning Support and Tutoring Center](#) for tutoring
- Drop by the [Library](#) to get help with research; check out resources; access computers and study space; and create media projects
- Apply to the Ready Set Transfer (RST) Academy

Quarter 2

- Research and develop a list of four-year colleges and universities
- Attend transfer workshops and a transfer fair
- Apply for the [Seattle Colleges Foundation Scholarship](#) and other scholarships

Quarter 3

- Consider [Student Leadership](#) positions and other on-campus jobs
- Visit potential universities and determine application deadlines
- Meet with [Transfer Center](#) advisor to determine transfer eligibility
- Attend the University of Washington Undergraduate Research Symposium

Quarter 4

- Create long-term educational plan with your assigned advisor
- Research and contact Physics departments at potential universities
- Attend transfer workshops and a transfer fair
- Attend transfer day at prospective university
- Write your personal statement for university applications

Quarter 5

- Apply to universities or colleges and scholarships
- Look for summer internships such as Research Experience for Undergraduates (REUs).
- Plan to participate in the transfer student events at prospective universities
- Apply for FAFSA or WASFA at transfer university

Quarter 6

- Check in with university for admissions status

Quarter 7

- [Apply for graduation for the AS-Track 2](#)
- Order cap and gown for commencement and join [Seattle Central Alumni Association](#)
- Attend graduation fair and [commencement ceremony](#).



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