

Pathway: Physics and Astronomy

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



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Overview

If you are curious about the mysteries of the universe, and you enjoy math and science, this pathway could be a good choice for you! This pathway is designed to meet Associate in Science Track 2 degree requirements with a concentration in Physics and Astronomy. (Read program QR code to see more)

Estimated Length of Completion

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

6 quarters, Full time

Career Opportunities

- Physicist
- Astronomer
- Nuclear Physicist
- Accelerator Operator
- Applications Engineer
- Data Analyst
- Design Engineer
- Physics Instructor
- Lab Technician
- Laser Engineer
- Optical Engineer
- Software Developer
- Solar Physicist
- Process Engineer
- Seismologist
- Materials Scientist
- Pa ... (Read program QR code to see more)



Future Education

Once you complete this Associate degree, additional education opportunities include:

- A bachelor's degree in physics, astronomy, applied physics, engineering, computer science or a related field at a four-year college or university.
- A [Bachelor of Applied Science \(BAS\)](#) degree at one of the Seattle Colleges.

South Seattle College has direct transfer agreements with four-year institutions throughout Washington state, including University of Washington, Washington State University and Seattle University. Graduates from South have also transferred to out-of-state institutions.

Program and admissions requirements vary from college to college. Contact an advisor to create an educational plan tailored to transfer to the institution of your choice.



Scan QR code to learn more about this program.

05/12/2024

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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

New or Prospective Students: Please connect with the [Welcome Center](#) to discuss South's program options and for help navigating the [Steps to Enroll](#).

Email: southwelcomecenter@seattlecolleges.edu

Phone: 206-934-7943

Current Students: Please connect with [Advising](#) to create an educational plan and discuss specific class offerings for your program.

Email: advisorsouth@seattlecolleges.edu

Phone: 206-934-5387

Advising Contact

If you are already registered for classes or a returning student, please see your primary advisor to create an educational plan. If you need assistance getting connected to the appropriate advisor, visit the [Advising Center website](#).

Email: advisorsouth@seattlecolleges.edu

Phone: 206-934-5387



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Before Quarter One

- Please visit the [Steps to Enroll](#) page for everything you need to do.
- [Review the Academic Calendar for key enrollment dates.](#)
- If you need help with the Steps to Enroll, please contact the [Welcome Center](#).

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

- MATH&141 Precalculus I (5 units)
- CHEM&139 General Chemistry Prep (5 units)
- POLS&202 or PSYC&100 or ENVS150 (5 units)
- STEM 111 (Recommended) (3 units)

Quarter 2

- MATH&142 Precalculus II (5 units)
- CHEM&161 General Chem W/Lab I (6 units)
- CSC110 or ASTR&100 or BIOL&160 (5 units)
- STEM 118 (Recommended) (2 units)

Quarter 3

- ENGL&101 English Composition I (5 units)
- MATH&151 Calculus I (5 units)
- CSC110 or CSC142 or CHEM&162 (variable units)

Quarter 4

- MATH&152 Calculus II (5 units)
- PHYS&221 Engineering Physics I (5 units)
- SOC&101 or ANTH&100 or any ENGL Literature Course (5 units)

Quarter 5

- MATH&163 Calculus 3 (5 units)
- PHYS&222 Engineering Physics II (5 units)
- CMST&220 or ART101 (5 units)

Quarter 6

- PHYS&223 Engineering Physics III (5 units)
- MATH238 Differential Equations (5 units)
- Pick one from the following list (5 units)
MATH 224 | MATH 220 | ENGR& 204 | ENGR& 214 |
CSC 143



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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 advisor in [Starfish](#) to meet and discuss your goals.
- Explore careers and majors through workshops, [counseling](#), and [WorkSource career services](#).
- Visit the [Library](#) to get help with research; check out resources; access computers and study space; and create media projects.
- Visit the [Tutoring Center](#) to learn about tutoring services offered in-person and online.
- Get involved on campus! Check out some of the resources, clubs and activities available to you through [Student Life](#) and [TRiO](#), [RST](#), and more!

Quarter 2

- Create an [educational plan](#) with your advisor.
- Research and develop a list of four-year colleges and universities.
- Attend transfer workshops and/or a transfer fair. Find more information on our [Transfer Resources](#) page.
- Apply for [financial aid](#) for the upcoming school year in Fall or early Winter Quarter to maximize your funding options.
- Visit South's [transfer webpage](#) for transfer information.

Quarter 3

- Update your [educational plan](#) with your assigned advisor.
- Attend a resume building or career workshop.
- Connect with potential universities (virtually or in person) and determine application deadlines.
- Research and apply for [scholarships](#).

Quarter 4

- Update your [educational plan](#) with your advisor.
- Attend transfer workshops, including a personal statement workshop.
- Write your [personal statement](#).
- Build relationships with faculty and staff at South to learn more about your pathway and future opportunities.
- Apply to universities or colleges and scholarships.

Quarter 5

- Apply for [financial aid](#) for the upcoming school year in Fall or early Winter Quarter to maximize your funding options.
- Apply to universities or colleges and scholarships.
- Explore internships in your major/career.
- Apply for [graduation](#) for your degree.

Quarter 6

- Check in with your university for transfer planning.
- Order cap and gown for commencement and join alumni association.
- Attend commencement ceremony.



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