

## Pathway: Chemistry

### 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 1 with a concentration in Chemistry. Students in this pathway learn about matter and energy down to the molecular level. Courses build a solid foundation in general chemistry and develop students' understanding of the scientific method of experimentation, observation, and analysis of results. (Read program QR code to see more)

#### Estimated Length of Completion

Degree: Associate of Science - Transfer, Track 1 (LRST1AS)

8 quarters, Full time

#### Career Opportunities

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

- Doctor (MD or MD-PhD)
- Pharmacist
- Pharmacologist
- Research Scientist
- Analytical Chemist
- Chemical Engineer
- Healthcare Professional
- Environmental Scientist
- Chemical Safety Professional&n ... (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 of Science degree in **Chemistry**, **Biochemistry**, **Chemical Engineering**, **Biology**, or a related field at a four-year college or university. After completing a B.S. degree, many students then continue to complete a MD or MD-PhD program, a PharmD program, or a graduate program in Chemistry, Chemical Engineering, or a related field to earn Master's degree or a Ph.D.

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. Chemistry 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 Chemistry programs in Washington state or around the country.



Scan QR code to learn more about this program.

05/04/2024

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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](mailto:STEMB.Central@seattlecolleges.edu)

#### Advising Contact

Advising hours and services: [seattlecentral.edu/campus-life/student-support-and-services/transfer-and-career-advising/meet-advisor](https://seattlecentral.edu/campus-life/student-support-and-services/transfer-and-career-advising/meet-advisor)

Schedule phone and Zoom appointments: [Starfish](#)

Email and phone: [AdvisorCentral@seattlecolleges.edu](mailto:AdvisorCentral@seattlecolleges.edu)/  
206.934.4068/ 206.934.4068

Location: Broadway Campus BE1102D



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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)
- MATH&141 Precalculus I (5 units)
- STEM101 or STEM118 (2 units)

##### Quarter 2

- MATH&142 Precalculus II (5 units)
- CHEM&139 General Chemistry Prep (5 units)
- ENGL&102 or Communication (5 units)

##### Quarter 3

- MATH&151 Calculus I (5 units)
- CHEM&161 General Chemistry W/ Lab I (6 units)
- Visual, Literary and Perf Arts (5 units)

##### Quarter 4

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

##### Quarter 5

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

##### Quarter 6

- CHEM&241 Organic Chemistry I (4 units)
- PHYS&223 Engineering Physics III W/ Lab (5 units)
- MATH238 Differential Equations (5 units)

##### Quarter 7

- CHEM&242 Organic Chemistry II (4 units)
- Individuals/Cultures/Societies (5 units)
- CHEM&251 Organic Chemistry Lab I (4 units)

##### Quarter 8

- CHEM&243 Organic Chemistry III (4 units)
- Individuals/Cultures/Societies or Visual, Literary and Perf Arts (5 units)
- CHEM&252 Organic Chemistry Lab II (4 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
- Explore careers and majors: workshops, counseling and [Career Exploration Center](#)
- Drop by the [Library](#) to get help with research; check out resources; access computers and study space; and create media projects

#### Quarter 2

- Create an educational plan with your assigned advisor
- 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
- Meet with a Chemistry faculty during their posted office hours to discuss possible careers and academic opportunities

#### Quarter 3

- Check with transfer institutions' planning resources for core chemistry courses required for major
- Attend Undergraduate Research Festival at University of Washington (occurs annually in Spring)
- 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

#### Quarter 4

- Create long-term educational plan with your assigned advisor
- Research and contact Chemistry 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
- Plan to participate in the transfer student events at prospective universities
- Check in with a Chemistry faculty during their posted office hours regarding possible careers and academic opportunities

#### Quarter 6

- Check in with university for admissions status
- Apply for FAFSA or WASFA at transfer university

#### Quarter 7

- [Apply for graduation for the AS Track 1 degree](#)

#### Quarter 8

- Order cap and gown for commencement and join [Seattle Central Alumni Association](#)
- Attend graduation fair and [commencement ceremony](#)



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