



### Suggested Schedule to Earn an Associate Degree

The suggested schedule below meets the requirements to earn an Associate in Science (AS) Track 1 degree with an emphasis in Chemistry. If classes listed below don't fit your schedule or interests, you can take alternate classes! Visit this website for instructions: [www.southseattle.edu/pathway-map-help](http://www.southseattle.edu/pathway-map-help).

#### Year One

##### Quarter One

##### Credits

- MATH&141: Pre-Calculus I..... 5
- CHEM&139: General Chemistry Prep ..... 5
- POLS&202: American Government **-or-**  
ENVS 170: Energy and Resources **-or-**  
HUM 105: Intercultural Communications **-or-**  
STEM 111 Science Skills..... 5

##### Quarter Two

- MATH&142: Pre-Calculus II..... 5
- ENGL&101: English Composition I ..... 5
- CHEM&161: General Chemistry I with Lab..... 5

##### Quarter Three

- MATH&151: Calculus I..... 5
- CHEM&162: General Chemistry II with Lab..... 5
- ART&221 Ceramics **-or-**  
ENGL&256: World Literature III **-or-**  
CMST&230: Small Group Communication..... 5

#### Year Two

##### Quarter Four

##### Credits

- MATH&152: Calculus II..... 5
- PHYS&221: Engineering Physics I ..... 5
- CHEM&163: General Chemistry III with Lab..... 5

##### Quarter Five

- MATH&163: Calculus III..... 5
- PHYS&222: Engineering Physics II..... 5
- CHEM&261\*: Organic Chemistry I with Lab..... 5

##### Quarter Six

- PHYS&223: Engineering Physics III..... 5
- CHEM&262\*: Organic Chemistry II with Lab..... 5
- ECON&201: Microeconomics **-or-**  
SOC&101: Intro to Sociology **-or-**  
ANTH&100 Survey of Anthropology..... 5

**Total Credits Required: 90**

#### To Do List

##### Quarter 1

- Make an Ed Plan with an advisor
- Get involved on campus thru Student Life
- Tour the MySouth student portal
- Visit the campus MakerSpace and Innovation Lab

##### Quarter 2

- Apply for free money with FAFSA or WASFA
- Attend a transfer fair and research options
- Apply for Ready Set Transfer

##### Quarter 3

- Attend your major's info sessions at transfer institution
- Attend a resume workshop

##### Quarter 4

- Update your Ed Plan with an advisor
- Attend transfer events, including personal statement workshops

##### Quarter 5

- Apply to your transfer school
- Re-apply for FAFSA or WASFA if transferring
- Apply for summer research or internship opportunities

##### Quarter 6

- Apply for Associate degree from South
- Order cap and gown; attend graduation!

\*These courses are not offered at South.

# Pathway: Chemistry



## About the Chemistry Pathway

This pathway is designed to meet Associate in Science (AS) Track 1 degree requirements with an emphasis in Chemistry. This pre-major pathway is designed to prepare you to transfer at the junior-level into a chemistry or related program at a four-year college or university.

Chemistry plays a role in almost everything we do. As a central science, it's closely connected with biology, math and physics. During the course of your studies, you'll learn about matter and energy down to the molecular level. Courses build a solid foundation in general chemistry and develop your understanding of the scientific method of experimentation, observation and analysis of results. You'll also gain hands-on experiences in the lab.

Often called the "central science," a degree in chemistry is excellent preparation for careers in a variety of fields, such as pharmacy, environmental sciences, chemical engineering, biotechnology, nutrition, medicine, dentistry and others. If you are fascinated with what makes up matter, how different matter interacts, and how these interactions can be applied to create new substances and solve practical problems, completion of a chemistry degree could be the right choice for you.

## Length of Program

90 credits = 6 quarters if you take 15 credits\* each term.

*\*Students who take 15 credits each quarter earn their degree faster, qualify for more financial aid, and earn more money over their lifetime because they complete their schooling faster.*

## Which Quarter Can I Begin?

Fall, Winter, Spring, or Summer.

## Class Times/Delivery Format?

Classes and labs are offered M-TH (2 days or 4 days a week) from 8am-4pm and in the evenings. We offer on-campus, online, or hybrid (part on-campus, part online) formats.

## Career Opportunities

- Pharmacologist
- Scientific Research
- Analytical Chemist
- Chemical Engineer
- Healthcare
- Environmental Protection
- Chemical Safety Office
- Patent Attorney
- Forensic Scientist
- Toxicologist
- Nanotechnologist
- Hazardous Waste Chemist
- Geochemist
- Materials Scientist
- Chemistry Teacher

A bachelor's or higher degree may be required for some careers listed above. For current employment and wage estimates, please visit the Chemistry program page on South's website.

## Future Education Opportunities

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

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

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.

## Approximate Costs Each Quarter

Tuition\* .....\$1550  
Books, supplies, and miscellaneous fees.....\$100-\$300

*\*Tuition based on WA resident rates. Rates for international students and non-residents may vary.*

## Apply for Financial Aid

Did you know that the average student at South spends 3 hours applying for financial aid and gets more than \$4000 per year?

Visit [www.southseattle.edu/financial-aid/](http://www.southseattle.edu/financial-aid/) to apply for financial aid, including grants and scholarships you don't have to pay back.

## Find Out More

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