NORTH SEATTLE COLLEGE

Associate of Science Option 1 (AS-Opt 1) with an emphasis in Chemistry (Part-Time)

Science, Technology, Engineering, and Math

Suggested Schedule to Associate of Science as Option 1 with an emphasis in Chemistry

The suggested schedule below meets the requirements to earn an Associate of Science Option I degree with an emphasis in Chemistry. This schedule assumes a fall quarter start. If you wish to take alternate courses (not listed below), please meet with a North advisor to confirm you are still meeting AS Option I requirements.

Before You Start

- ☐ CHEM& 139 General Chemistry Prep.
- ☐ Pre-College Math or Adult Basic Education (ABE) if needed.
- ☐ Pre-College English, Adult Basic Education (ABE) or English as a Second Language (ESL) if needed.

To Do

- ☐ Apply for Financial Aid and other funding before your first quarter. Visit the Financial Aid Office to explore how to pay for college.
- ☐ Transfer previous college credits to North.
- ☐ Attend New Student Orientation.
- ☐ Explore placement options: take the Math and English placement tests if needed.
- ☐ Take Chemistry 139 as a prerequisite to Chemistry 161 or pass the chemistry placement exam.

Year One

Credits

Quarter 1

- ☐ CHEM& 161 General Chemistry w/Lab I 6
- ☐ MATH& 141 Precalculus I 5

Quarter 2

- ☐ CHEM& 162 General Chemistry w/Lab II 6
- ☐ MATH& 142 Precalculus II 5

Quarter 3

- ☐ CHEM& 163 General Chemistry w/Lab III 6
- ☐ MATH& 151 Calculus I 5

Quarter 4

- ☐ ENGL& 101 Public Speaking 5
- ☐ MATH& 152 Calculus II 5

Year Two

Quarter 5

- ☐ MATH& 163 Calculus III 5
- ☐ CHEM& 241 Organic Chemistry I 4

Quarter 6

- ☐ CHEM 251** Organic Chemistry Lab I 5
- ☐ CHEM& 242 Organic Chemistry II 4

Quarter 7

- ☐ CHEM 243 Organic Chemistry III 4
- ☐ CHEM 252 Organic Chemistry Lab II 4

Quarter 8

- ☐ Optional: PHYS114** General Physics I w/Lab 5

Quarter 1

- ☐ Meet with your area of study advisor to discuss your goals.
- ☐ Visit the student learning center for tutoring and biology/chemistry tutoring lab in HS 2642A.
- ☐ Explore careers and majors: attend workshops; utilize counseling and career services resources.

Quarter 2

- ☐ Make an Ed Plan with an advisor.
- ☐ Consult Chemistry coordinators regarding internal and external STEM focused scholarships.
- ☐ Explore and join STEM focused club(s).

Quarter 3

- ☐ Apply for the Seattle Colleges Foundation Scholarship and other scholarships.

Quarter 4

- ☐ Review your general chemistry materials to prepare for organic chemistry.
- ☐ Pursue work study opportunities in the stockroom and student learning center as a tutor.

Quarter 5

- ☐ See your advisor to update your educational plan.
- ☐ Explore four-year college and university websites.

Quarter 6

- ☐ Explore careers and majors: attend workshops; utilize counseling and career services resources.
- ☐ Explore Undergraduate Research and internship opportunities and make a plan for completing a project.
- ☐ **CHEM 251 and 252 intensive sequence also offered in the summer.

Quarter 7

- ☐ Explore the branches of chemistry to begin to determine your primary area of interest.
- ☐ Develop a list of preferred transfer colleges and universities to visit and determine deadlines.

Quarter 8

- ☐ **Take PHYS 114 only if planning to take PHYS 22x sequence.

Pathway: AS-Opt 1 with an emphasis in Chemistry

Year Three

Quarter 9

- ☐ PHYS 114 General Physics I w/Lab or PHYS 221* Engineering Physics I.....5
- ☐ CMST& 220 Public Speaking or another Visual, Literary or Performing Arts class.....5
- ☐ Recommended: UGR 294 Undergraduate Research.....3

Quarter 10

- ☐ PHYS 115 General Physics II w/Lab or PHYS 222 Engineering Physics II.....5
- ☐ CMST& 230 Small Group Communication or PHIL 111 Intro to Bioethics.....5
- ☐ Recommended: UGR 294 Undergraduate Research.....3

Quarter 11

- ☐ PHYS 116 General Physics III w/Lab or PHYS 223 Engineering Physics III.....5
- ☐ ANTH 275 Medical Anthropology or another Individuals, Cultures, and Societies course.....5
- ☐ Recommended: UGR 294 Undergraduate Research.....3

Total Credits Required: 113

Quarter 9

- ☐ *PHYS 221 requires 1 year of high school PHYS or PHYS 114 as a prerequisite.
- ☐ See your advisor to update your educational plan and for transfer help.
- ☐ Participate in Undergraduate Research or Internships that are related to your major.
- ☐ Write your personal statement for transfer applications.
- ☐ Attend transfer workshops and a transfer fair.

Quarter 10

- ☐ Participate in Undergraduate Research or Internships that are related to your major.
- ☐ Apply for financial aid and follow up on application with the financial aid office

Quarter 11

- ☐ Apply for graduation for AS Option 1 degree.
- ☐ Participate in Undergraduate Research or Internships that are related to your major.

Pathway: AS-Opt 1 with an emphasis in Chemistry

About the Pathway

This pathway is designed to meet Associate of Science Option I degree requirements with an emphasis in chemistry. Completion of this degree opens doors to a variety of careers in public and private sectors such as academia, industry, and medicine. It also allows you to transfer into a chemistry or related major at a four-year college or university.

Career Opportunities

- Research & Development
- Quality Control/Regulatory
- Sales/Marketing
- Healthcare, Medical and Pharmaceutical
- Manufacturing
- Environmental Policy and Health
- Law and Policy
- Military and Law Enforcement
- Teaching (secondary school/high school and college)
- Agriculture

A Bachelor's degree or higher may be required for some careers listed above. For current employment and wage estimates, please visit www.bls.gov/oes.

Approximate Costs Each Quarter

Tuition & fees for:

WA state residents.....$1283
Books, supplies, and miscellaneous fees $475

Please note that these costs are estimates and may vary.

Apply for Financial Aid and Other Funding

All students in need should apply for financial aid – do not assume you are not eligible! Visit https://northseattle.edu/financial-aid to learn more about the application steps and types of financial aid available, including grants and scholarships you don't have to pay back. You do not need to be a full-time student to receive financial aid funds.

Length of Program

90-93 credits = 7 quarters if you take 12-16 Credits each term. Students who take 12-16 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.

Class Times/Delivery Format?

Most courses are offered M-F during the daytime, online, hybrid or face to face. We also offer limited Saturday and evening courses.

Find Out More

Visit northseattle.edu/programs/chemistry to learn more about this pathway, or contact the Chemistry Program Coordinator or the Science, Technology, Engineering and Mathematics area of study advisor at advisornorth@seattlecolleges.edu or 206-934-3658.

Which quarter can I begin?

Any.

Future Education Opportunities

Once you complete the Associate of Science Option I degree, additional educational opportunities include:

- A bachelor's degree in Chemistry and other related science fields
- Medical certifications

North 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 North 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. Many students continue to graduate level degrees such as master's, PhD, and Medical once they've completed a bachelor's degree and appropriate chemistry coursework.