NORTH SEATTLE COLLEGE

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

- ☐ ENGL& 101 English Composition I 5
- ☐ CHEM& 161 General Chem w/Lab I 6
- ☐ MATH& 141 Precalculus I 5

Quarter 2

- ☐ CMST& 220 Public Speaking or other VLPA Visual, Literary and Performing Arts course 5
- ☐ CHEM& 162 General Chem w/Lab II 6
- ☐ MATH& 142 Precalculus II 5

Quarter 3

- ☐ ANTH 275 Medical Anthropology or other ICS Individuals, Cultures and Societies course 5
- ☐ CHEM& 163 General Chem w/Lab III 6
- ☐ MATH& 151 Calculus I 5

Quarter 4

- ☐ CMST& 230 Small Group Communication or PHIL 111 Intro to Bioethics 5
- ☐ MATH& 152 Calculus II 5

Year Two

Quarter 5

- ☐ PHYS& 114 General Physics I w/Lab or PHYS& 221* Engineering Physics I 5
- ☐ MATH& 163 Calculus 3 5
- ☐ Recommended: UGR 294 Undergraduate Research 3

Quarter 6

- ☐ CHEM& 242 Organic Chemistry II 4
- ☐ CHEM& 251 Organic Chemistry Lab I 4
- ☐ PHYS& 115 General Physics II w/Lab or PHYS& 222 Engineering Physics II 5
- ☐ Recommended: UGR 294 Undergraduate Research 3

Quarter 7

- ☐ CHEM 243 Organic Chemistry Lab III 4
- ☐ CHEM 252 Organic Chemistry Lab II 4
- ☐ PHYS& 116 General Physics III w/Lab or PHYS& 223 Engineering Physics III 5
- ☐ Recommended: UGR 294 Undergraduate Research 3

Total Credits Required:103

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 four-year college and university websites.
- ☐ Explore and join STEM focused club(s).

Quarter 3

- ☐ Develop a list of preferred transfer colleges and universities to visit and determine deadlines.
- ☐ Apply for the Seattle Colleges Foundation Scholarship and other scholarships.
- ☐ Pursue undergraduate research and internship opportunities.

Quarter 4

- ☐ Pursue work study opportunities in the stockroom and student learning center.
- ☐ Take PHYS 114 only if planning to take PHYS 22x sequence starting the fall.

Quarter 5

- ☐ See your advisor to update your educational plan and for transfer help.
- ☐ Write your personal statement for transfer applications.
- ☐ Attend transfer workshops and a transfer fair.
- ☐ *PHYS& 221 requires 1 year of high school PHYS or PHYS 114 as a prerequisite.

Quarter 6

- ☐ Apply for financial aid and follow up on application with the financial aid office.
- ☐ Meet with your advisor to update and stay on track with your education plan.

Quarter 7

- ☐ Apply for graduation for AS Option 1 degree.
- ☐ Continue with undergraduate research and internship opportunities.

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.

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.