NORTH SEATTLE COLLEGE

Pathway: Associate of Science Option I (AS-Opt 1) with an emphasis in Biology (Full-Time)

Science, Technology, Engineering, & Math

Suggested Schedule to Associate of Science Option I (AS-Opt 1)

This pathway meets requirements for the Associate of Science Option I (AS-Opt 1) with an emphasis in Biology (Full-Time). This sample schedule assumes a fall start. If you wish to start in a different quarter or take alternate courses not listed below please meet with a North advisor to confirm you're still meeting AS-Opt 1 degree requirements.

Before You Start

- ☐ Pre-College Math or AdultBasic Education (if needed).
- ☐ Pre-College English, Adult Basic Education or 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.
- ☐ Explore placement options: take the math and English placement tests if needed.
- ☐ Attend New Student Orientation.

Year One

Credits

Quarter 1

- ☐ CHEM& 139 General Chemistry Prep 5
- ☐ World Language I* *(varies)* or another VLPA course 5
- ☐ ENVS& 100 Intro to Environmental Science or another ICS course 5

Quarter 2

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

Quarter 3

- ☐ CHEM& 162 General Chem w/Lab II 6
- ☐ VLPA or ICS 5
- ☐ MATH& 142 *(or higher)* Precalculus II 5

Year Two

Quarter 4

- ☐ CHEM& 163 General Chem w/Lab III *(su, f, w, sp)* 6
- ☐ MATH& 151 Calculus I *(su, f, w, sp)* 5
- ☐ BIOL& 211 Majors Cellular *(su, f, w, sp)* 5
- ☐ Recommended: UGR Undergraduate Research ..... (3)

Quarter 5

- ☐ MATH&152 Calculus II 5
- ☐ BIOL& 212 Majors Animal 5
- ☐ PHYS& 114 General Physics I with Lab or BIOL& 260 Microbiology 5
- ☐ Recommended: UGR Undergraduate Research ..... (3)

Quarter 6

- ☐ MATH 211 Elements of Statistical Methods or MATH& 146 Introduction to Statistics 5
- ☐ PHYS& 115 General Physics II with Lab or BIOL& 290 General Genetics or BIOL& 260 Microbiology 5
- ☐ Recommended: UGR Undergraduate Research ..... (3)

Total Credits Required: 93

Quarter 1

- ☐ Schedule an appointment with your assigned advisor in Starfish to discuss your goals and create and educational plan.
- ☐ Visit the Student Learning Center and Biology/Chemistry tutoring center to learn about tutoring services offered in-person and online.
- ☐ Explore careers and majors: workshops, counseling and career services.
- ☐ Apply to the Ready Set Transfer (RST) Academy.
- ☐ Consider taking a field trip class (See SCI or GEOL one credit classes)
- ☐ Drop by the Library to get help with research; check out resources; access computers and study space; and create media projects.
- ☐ *Check University requirements for world language.

Quarter 2

- ☐ Create an educational plan with your assigned advisor.
- ☐ Apply for the Seattle Colleges Foundation Scholarship and other scholarships.
- ☐ Research and develop a list of four-year colleges and universities.
- ☐ Attend transfer workshops and a transfer fair.

Quarter 3

- ☐ Apply for financial aid for the upcoming academic year in Winter or Spring quarter to maximize your funding options.
- ☐ Visit potential universities and determine application deadlines.
- ☐ Attend the University of Washington Undergraduate Research Symposium.
- ☐ Consider Student Leadership positions and other on-campus jobs such as lab aid
- ☐ Explore summer course offerings from your second year classes.
- ☐ *Note: For medical and professional fields, consider PSYC&100 or sociology or ENGL&111.

Quarter 4

- ☐ Contact Biology department at potential universities.
- ☐ Attend transfer workshops and a transfer fair.
- ☐ Update your educational plan with your assigned advisor.
- ☐ Write your personal statement for university applications.

Quarter 5

- ☐ Apply for financial aid for the upcoming academic year in Winter or Spring quarter to maximize your funding options.
- ☐ Apply to universities or colleges and scholarships.
- ☐ Look for summer internships such as Research Experience for Undergraduates (REUs).
- ☐ Speak with Biology faculty or advisor to determine if PHYS&115 or 116 is the best option for you.
- ☐ Note: If taking BIOL&260 instead of physics, you will need to take a physics sequence at your transfer university.

Quarter 6

- ☐ Apply for graduation for the AS-Opt 1 degree with your assigned advisor.
- ☐ Check in with university for transfer plan.
- ☐ Order cap and gown for commencement and join alumni association.
- ☐ Attend on-campus graduation fair and commencement ceremony.

Pathway: Associate of Science Option I (AS-Opt 1) with an emphasis in Biology (Full-Time)

About the Associate of Science Option I Map

This pathway meets requirements for the Associate of Science Option I (AS-Opt 1) with an emphasis in Biology (Full-Time). Completion of this degree opens doors to a variety of careers in sectors including research, healthcare, education, non-profit, technology and government. It also allows you to transfer at the junior level into a Biology program at a four-year college or university.

Students in this pathway develop skills in applying and communicating fundamental concepts/principles of Biology to one's daily life, demonstrating the process of scientific inquiry, and solving problems analytically.

Career Opportunities

- Biologist (Zoology, Botany, Ecology, Marine, Micro, Cell, Genetics)
- Agricultural Scientists/Food Scientists
- Animal Scientists
- Archeologists
- Bioengineers/Biochemists
- Computer and Information Scientists
- Environmental/Conservation Scientists
- Medical Scientists
- Natural Sciences Managers/Park Naturalists
- Science Technicians
- University and College Teachers
- Research and Development in any of these fields.

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	$1555
international students	$3298
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. Additional funding may be available through the Biology department. Contact Biology program coordinators (northseattle.edu/programs/biology).

Class Times/Delivery Format?

North offers courses on-campus in the day time, evenings, online, or hybrid (part on-campus, part online), Monday-Friday and occasional Saturdays.

Find Out More

For questions about this program contact the Biology Program Coordinator (see northseattle.edu/program/biology) or the Science, Technology, Engineering and Mathematics area of study advisor at advisornorth@seattlecolleges.edu or 206-934-3658.

Length of Program

90-93 credits = 6 quarters if you take 15-18 credits* each term.

Please note: If you take undergraduate research (UGR) classes, this degree will take up to 102 credits. If planning to take more than 90 credits, please contact financial aid for funding possibilities.

Which quarter can I begin?

Any. This map assumes a fall start. Any other start time could lead to extending your plan. Please see your advisor to create an educational plan and revise your pathway.

Future Education Opportunities

Once you complete the AS-Opt 1 degree, additional education opportunities include:

- A Bachelor's degree in Biology (such as Botany, Zoology, Microbiology, Genetics, Marine Biology), Environmental Science, or a related field at a four-year college or university.
- A Bachelor of Applied Science (BAS) from a Washington state community college.
- Continuation of preparation for professional programs such as pre-medicine, pre-dental, pre-veterinarian, pre-pharmacy, physical therapy.

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

Program and admissions requirements vary from college-to-college. For example, the University of Washington requires two quarters of world language for admission, three quarters to graduate. Contact an advisor to create an educational plan tailored to transfer to the institution of your choice.