NORTH SEATTLE COLLEGE

Pathway: Associate of Science Option I (AS-Opt 1) with an emphasis in Biology (Part-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 (Part-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 Adult Basic Education (if needed).
- ☐ Pre-College English, Adult Basic Education or ESL (if needed).
- ☐ CHEM& 139 General Chemistry Prep

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& 161 General Chem w/Lab I 6
- ☐ ENVS& 100 Intro to Environmental Science or another ICS course 5

Quarter 2

- ☐ MATH& 141 Precalculus I 5
- ☐ CHEM& 162 General Chem w/Lab II 6

Quarter 3

- ☐ MATH& 142 Precalculus II 5
- ☐ CHEM& 163 General Chem w/Lab III 6

Quarter 4

- ☐ MATH& 151 Calculus I 5
- ☐ ENGL& 101 English Composition I 5

Year Two

Quarter 5

- ☐ BIOL& 211 Majors Cellular 5
- ☐ MATH& 152 Calculus II 5
- ☐ Recommended: UGR Undergraduate Research ..... (3)

Quarter 6

- ☐ BIOL& 212 Majors Animal 5
- ☐ Optional: ENGL& 102 English Composition II 5
- ☐ Recommended: UGR Undergraduate Research ..... (3)

Quarter 7

- ☐ BIOL& 213 Majors Plant 5
- ☐ PHYS& 114 General Physics I with Lab or BIOL& 260 Microbiology or BIOL& 290 General Genetics 5
- ☐ Recommended: UGR Undergraduate Research ..... (3

Quarter 8

- ☐ World Language I* or another Visual, Literary and Performing Arts 5
- ☐ Visual, Literary and Performing Arts or Individuals, Cultures and Societies* 5

Quarter 9

- ☐ PHYS& 115 General Physics II with Lab or BIOL& 260** Microbiology 5
- ☐ MATH 211 Elements of Statistical Methods or MATH& 146 Introduction to Statistics 5

Total Credits Required: 98

Quarter 1

- ☐ If you need to take night and/or Saturday courses, take CHEM and BIOL series starting in the fall quarter for each series.
- ☐ Visit the Student Learning Center and Biology/Chemistry tutoring center to learn about tutoring services offered in-person and online.
- ☐ Apply to the Ready Set Transfer (RST) Academy.

Quarter 2

- ☐ Schedule an appointment with your assigned advisor in Starfish to discuss your goals and create and educational plan.
- ☐ Apply for financial aid for the upcoming academic year in Winter or Spring quarter to maximize your funding options.

Quarter 3

- ☐ Apply for the Seattle Colleges Foundation Scholarship and other scholarships.
- ☐ Consider Student Leadership positions and other on-campus jobs such as lab aid.
- ☐ Consider taking a field trip class (See SCI or GEOL one credit classes)
- ☐ Attend the University of Washington Undergraduate Research Symposium.

Quarter 4

- ☐ Research and develop a list of four-year colleges and universities.
- ☐ Update your educational plan with your assigned advisor.

Quarter 5

- ☐ Attend transfer workshops and a transfer fair.
- ☐ Apply for financial aid for the upcoming academic year in Winter or Spring quarter to maximize your funding options.
- ☐ If MATH&152 is complete, consider taking 200 level courses such as organic chemistry.

Quarter 6

- ☐ Visit potential universities and determine application deadlines.
- ☐ Contact Biology department at potential universities.
- ☐ Look for summer internships such as Research Experience for Undergraduates (REUs).

Quarter 7

- ☐ Write your personal statement for university applications.

Quarter 8

- ☐ Apply to universities or colleges and scholarships.
- ☐ *Check University requirements for world language.
- ☐ *Note: For medical and professional fields, consider PSYC&100 or sociology or ENGL&111.

Quarter 9

- ☐ **Recommended: Meet with your assigned advisor to discuss if you can fit these courses into your educational plan.
- ☐ Apply for graduation for the AS-Opt 1 degree with your assigned advisor.
- ☐ Check in with university for transfer plan.

Pathway: Associate of Science Option I (AS-Opt 1) with an emphasis in Biology (Part-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 (Part-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.....$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. 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

132 credits = 9 quarters if you take 10-13 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.)

*Students who take 15-18 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. (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.

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.