NORTH SEATTLE COLLEGE

Associate of Science - Direct Transfer Agreement (AS-DTA) with an emphasis in Mathematics (Full-Time)

Science, Technology, Engineering & Math (STEM)

Suggested Schedule to Associate of Science - Direct Transfer Agreement with an emphasis in Mathematics

This pathway meets requirements for the Associate of Science - Direct Transfer Agreement (AS-DTA) with an emphasis in Mathematics. This sample schedule assumes a fall start. If you wish to take alternate courses not listed below please meet with a North advisor to confirm you're still meeting AS degree requirements.

Before You Start

- ☐ 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.
- ☐ Explore placement options: take the Math and English placement tests if needed.
- ☐ Attend New Student Orientation.

Year One

Credits

Quarter 1

- ☐ MATH& 141 Precalculus I 5
- ☐ ENGL& 101 English Composition I 5
- ☐ ANTH& 206 Cultural Anthropology or ENVS& 100 Survey of Environmental Science Or Any Individuals, Cultures & Societies course (ICS) 5

Quarter 2

- ☐ MATH& 142 Precalculus II 5
- ☐ ENGL& 102 Composition II 5
- ☐ ECON& 202 Macro Economics or Another ICS/Global Studies course 5

Quarter 3

- ☐ MATH& 151 Calculus I 5
- ☐ CSC 110 Intro. To Computer Programming 5
- ☐ Visual, Literary, and Performing Arts 5

Year Two

Quarter 4

- ☐ MATH& 152 Calculus II 5
- ☐ CHEM 110 or BIOL&100 or another Natural World Lab 5
- ☐ World Language I* or another Visual Literary and Performing Arts course 5

Quarter 5

- ☐ MATH& 163 Calculus 3 5
- ☐ Visual, Literary, and Performing Arts 5
- ☐ PHYS 114 or another Natural World Lab 5

Quarter 6

- ☐ Take two of the following classes 10
  - ☐ MATH 220 Linear Algebra
  - ☐ MATH 224 Vector Calculus
  - ☐ MATH 238 Differential Equations
- ☐ Individuals, Cultures and Societies 5

Total Credits Required: 90

Quarter 1

- ☐ Schedule an appointment with your assigned advisor in Starfish to meet and discuss your goals.
- ☐ Drop by the Library to get help with research; check out resources; access computers and study space; and create media projects.
- ☐ Visit the Student Learning Center to learn about tutoring services offered in-person and online.
- ☐ Check out campus life: student clubs such as Math or Rocket Club, Equity & Welcome Center, Fitness Center, etc.
- ☐ Apply for Ready, Set, Transfer.
- ☐ Join the American Math Association of Two Year Colleges (AMATYC) math student competition.

Quarter 2

- ☐ Create an educational plan with your assigned advisor.
- ☐ Apply for financial aid for the upcoming academic year in Winter or Spring quarter to maximize your funding options.
- ☐ Research and develop a list of four-year colleges and universities.
- ☐ Attend transfer fair and workshops.
- ☐ Explore careers and majors: workshops, counseling and career services.
- ☐ Visit North's Transfer webpage for transfer information.

Quarter 3

- ☐ Update your educational plan with your assigned advisor.
- ☐ Visit potential universities and determine application deadlines.
- ☐ Apply for the Seattle Colleges Foundation Scholarship and other scholarships.
- ☐ Consider Student Leadership positions and other on-campus jobs.
- ☐ Attend "Making Learning and Teaching Visible" campus event held every spring.
- ☐ Apply for Summer financial aid.

Quarter 4

- ☐ Update your educational plan with your assigned advisor.
- ☐ Contact Math department at potential universities.
- ☐ Plan which 200 level math classes to take with transfer advisor.
- ☐ Attend transfer workshops and a transfer fair.
- ☐ Write your personal statement for university applications.
- ☐ *Check university world language requirements for admissions.
- ☐ Join the American Math Association of Two Year Colleges math student competition.

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.
- ☐ Apply for graduation for the AS-DTA degree with your assigned advisor.
- ☐ Explore possible internships in math or related fields.
- ☐ Join the American Math Association of Two Year Colleges math student competition.

Quarter 6

- ☐ 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: AS-DTA with an emphasis in Mathematics (Full-Time)

About the Pathway

This pathway meets requirements for the Associate of Science - Direct Transfer Agreement (AS-DTA) with an emphasis in Mathematics. Completion of this degree opens doors to a variety of careers in fields such as mathematical instruction and research, technology, engineering, finance, and quantitative sciences. It also allows you to transfer into a math or related major at a four-year college or university.

Students in this pathway develop skills in critical thinking and problem solving, quantiative analysis, abstract and symbolic reasoning, logic, oral and written communication.

Career Opportunities

- Mathematician
- Financial analyst
- Data analyst
- Actuary
- Statistician
- Data scientist
- Math teacher
- Logistician
- Operations analyst
- Computer or electrical engineer
- Computational scientist

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.

Length of Program

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

Class Times/Delivery Format?

North offers courses on-campus in the day, evenings, online, or hybrid (part on-campus, part online), and occasional Saturdays. Check the class schedule for the latest offerings.

Find Out More

Visit northseattle.edu/programs/mathematics to learn more about this pathway, or contact the STEM Area of Study advisor at northseattle.edu/advising/contact or 206-934-3658.

Which quarter can I begin?

Any.

Future Education Opportunities

Once you complete the AS-DTA degree, additional education opportunities include

- A Bachelor's degree in math, statistics, data science, engineering, physics, economics, finance or related field
- A Bachelor of Applied Sciences (BAS) degree at one of the Seattle Colleges or a Washington state community college

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. Math 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.