NORTH SEATTLE COLLEGE

Associate of Science - Direct Transfer Agreement (AS-DTA) with an emphasis in Mathematics (Part-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
Quarter 2	
☐ MATH& 142 Precalculus II	5
☐ ENGL& 102 Composition II	5
Quarter 3	
☐ MATH& 151 Calculus I	5
☐ ANTH& 206 Cultural Anthropology or ENVS& 100 Survey of Environmental Science or Any Individuals, Cultures & Societies course	5
Quarter 4	
☐ MATH& 152 Calculus II	5
☐ Visual, Literary, and Performing Arts course	5

Year Two

Quarter 5	
☐ MATH& 163 Calculus 3	5
☐ World Language I* or another Visual Literary and Performing Arts course	5
Quarter 6	
☐ MATH 220 Linear Algebra or MATH 224 Vector Calculus or MATH 238 Differential Equations	5
☐ CSC 110 Intro. To Computer Programming	5
Quarter 7	
☐ PHYS& 114 or CHEM& 110 or another Natural World Lab	5
☐ Visual, Literary, and Performing Arts course	5
Quarter 8	
☐ PHYS& 221 Engineering Physics 1 or another Natural World Lab	5
☐ Individuals, Cultures & Societies course	5
Quarter 9	
☐ MATH 220 Linear Algebra or MATH 224 Vector Calculus or MATH 238 Differential Equations	5
☐ ECON& 202 Macro Economics or Another ICS/Global Studies course	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 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.
- ☐ Attend transfer workshops and a transfer fair.
- ☐ Write your personal statement for university applications.
- ☐ *Check university world language requirements for admissions.

Quarter 5

- ☐ Plan which 200 level math classes to take with transfer advisor.
- ☐ Attend transfer fair and workshops.

Quarter 6

- ☐ Apply for financial aid for the upcoming academic year in Winter or Spring quarter to maximize your funding options.
- ☐ Contact Math departments at potential universities.
- ☐ Update your educational plan with your assigned advisor.

Quarter 7

- ☐ Apply to universities or colleges and scholarships.
- ☐ Explore possible internships in math or related fields.

Quarter 8

- ☐ Apply for graduation for the AS-DTA degree with your assigned advisor.

Quarter 9

- ☐ Check in with university for transfer plan.

Pathway: AS-DTA with an emphasis in Mathematics (Part-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.....$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 credits = 9 quarters if you take 10 credits* each term.

*Students who take 15 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?

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.