



The Associate of Applied Science (AAS) in Mechatronics is offered jointly by North Seattle College and Shoreline Community College. Students must complete courses at both colleges to obtain this degree. This sample schedule assumes a Fall start and includes Summer quarters. If you wish to take alternate courses not listed below, consult a North Seattle College advisor to confirm you still meet AAS degree requirements.

### Before Quarter One

Credits

- Pre-College Math or ABE (if needed)
- Pre-College English, ABE, or ESL (if needed)

### Quarter One (Fall)

- EET 109 (Prerequisite: MATH 081 or equivalent) or Math& 141 (Prerequisite: MATH 098 with 2.5 or better or placement) .....5
- EET 161 (Prerequisite: MATH 081 or equivalent) .....5
- BUS 236 or an approved Human Relations course .....2-5

### Quarter Two (Winter)

- EET 202 (Prerequisite: EET 109 or MATH& 141 or equivalent and EET 161) .....5
- EET 203 (Prerequisite: EET 161) .....5
- EET 160 (Prerequisite: EET 109 or MATH& 141 or higher) .....5

### Quarter Three (Spring)

- EET 112 [North Seattle College] or **MFGT 247 [Shoreline CC]** (Prerequisite: EET 109 or MATH& 141 or higher) .....5
- EET 137 (Prerequisite: MATH 081 or equivalent) .....5
- EET 201 (Prerequisite: EET 109 or MATH& 141 or equivalent and EET 160 or 162) .....5

### Quarter Four (Summer)

- EET 106 (Prerequisite: EET 160 or EET 161) .....1
- EET 131 .....5

### Quarter Five (Fall)

- MCS 105 [Shoreline CC]** or an approved US Cultures or Global Studies course [North Seattle College] .....20

### Quarter Six (Winter)

- ENGL& 101 (Prerequisite: Placement) [North Seattle College] or **[Shoreline CC]** .....5
- MFGT 244 [Shoreline CC]** .....3
- MFGT 245 [Shoreline CC]** .....1
- MCS 105 or other approved US Cultures/Global Studies course .....5

### Quarter Seven (Spring)

- MFGT 246 [Shoreline CC]** .....5
- Internship for Academic Credit: **MFGT 196 [Shoreline CC]** or EET 291 [North Seattle College] Students may choose to complete two courses at North in place of the internship. Approved course options: EET 108, 114, 132, 162, 170. ....4-9
- EET 138 [North Seattle College] (Prerequisite: EET 137 or instructor permission) or **MFGT 280 [Shoreline CC]** .....5

**Total Credits Required: 96-105**

## To Do List – A Guide to Help You Meet Your Goals

### Before Quarter 1:

- Explore placement options: take the math and English placement tests if needed.
- Transfer previous college credits to North. <https://northseattle.edu/credentials>
- Attend new student orientation.
- Apply for financial aid and follow up on application with the financial aid office.
- Visit [startnextquarter.org](http://startnextquarter.org) to find out if Workforce Education funding is available for you.
- Explore Prior Learning Assessment (PLA) options if you have significant professional industry training.
- Meet with Electronics program navigator at North and Manufacturing navigator at Shoreline.

### Quarter 1 (Fall)

- Schedule an appointment with your assigned advisor in Starfish ([bit.ly/Starfishlogin](https://bit.ly/Starfishlogin)) to meet and discuss your goals.
- Drop by the Library (<https://libguides.northseattle.edu/welcome>) to get help with research; check out resources; access computers and study space; and create media projects.
- Form study groups with classmates and learn about tutoring options at the Student Learning Center.
- Meet with Electronics program navigator to discuss internship. Mechatronics students must either complete an internship for academic credit or complete two courses, in lieu of internship, selected from approved course list.
- Check out campus life: student clubs, Equity & Welcome Center, Fall Fest, etc.
- View employment opportunities in EET News on Canvas quarterly.

### Quarter 2 (Winter)

- Create an educational plan with your assigned advisor or Electronics program navigator.
- Apply for financial aid for the upcoming academic year in Winter or Spring quarter to maximize your funding options.
- Apply for the Seattle Colleges Foundation Scholarship and other scholarships.
- Apply for Boeing summer internships as available (optional). A popular option for this degree.
- Visit Career Services office in the OCE&E building to learn about career/job exploration resources.
- Attend an "Exploring Careers and Majors Workshop" or meet with a counselor.
- Verify academic progress in Degree Audit (<https://northseattle.edu/online-services/degree-audit>).

### Quarter 3 (Spring)

- Attend a resume workshop and create a resume.
- Attend on campus and virtual career fairs and employer presentations.
- Apply for Summer Financial Aid at North Seattle College and Shoreline CC, if applicable (optional).
- Update your educational plan with your assigned advisor or Electronics program navigator.
- Ensure all Academic Exception paperwork is submitted (such as course substitutions, transfer credit, and PLA), as needed.

*Optional and required courses that can be completed at Shoreline Community College are listed in red.*



## To Do List (continued)

### Quarter 4 (Summer)

- Apply for internships as available (optional).
- If receiving Workforce Education funding, consult with workforce funding specialists from North Seattle College and Shoreline CC to plan for transition.
- Sign a Mechatronics Consortium Agreement in Financial Aid, if applicable.

### Quarter 5 at Shoreline CC (Fall)

- Attend an interview prep workshop through OCE&E.
- Create a LinkedIn profile and clean up your online presence.
- View employment opportunities in EET News on Canvas quarterly.
- Verify academic progress in Degree Audit (<https://northseattle.edu/online-services/degree-audit>).

### Quarter 6 at Shoreline CC (Winter)

- Attend on campus and virtual career fairs and employer presentations.
- Explore opportunities for informational interviews through OCE&E.
- Apply for graduation for Associate of Applied Science (AAS) in Mechatronics.
- Fine tune your resume to include earned certifications and internship experience.
- Add your classmates on LinkedIn to grow your network and keep in touch.

### Quarter 7 at Shoreline CC (Spring)

- Order cap and gown for commencement and join alumni association.
- Attend on-campus graduation fair and commencement ceremony.
- Send final transcripts from both colleges to the partner college after final grades post.
- View job announcements on Canvas in EET News quarterly.

## Career Opportunities

Technician in:

- |   |                            |
|---|----------------------------|
| 1. Mechatronics                           | 5. Aerospace Manufacturing |
| 2. Industrial Maintenance                 | 6. Avionics                |
| 3. Industrial Automation and Control      | 7. Defense Industries      |
| 4. Robotics and Electromechanical Systems | 8. Metrology (Calibration) |
|   | 9. Fiber Optics            |
|   | 10. Laser Industries       |

For current employment and wage estimates, please visit and search at [www.bls.gov/oes](http://www.bls.gov/oes)."

## Approximate Costs Each Quarter

Tuition & fees for:

WA state residents	\$1,555.00
International students:	\$3,297.95
Books, supplies, and miscellaneous fees	\$475.00

*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. Don't 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.

Some students may be eligible for Workforce Education tuition assistance programs depending on program of study, family income and family size, DSHS assistance, unemployment/employment status of self or spouse, or veteran status. Take this short survey to find out if you pre-qualify for funding at: [www.StartNextQuarter.org](http://www.StartNextQuarter.org).

## Which quarter can I begin?

Any.

## Length of Program

96-105 credits = 7 quarters if you take 15 or more credits each term.

## Class Times/Delivery Format?

North offers courses on-campus in the day time, evenings, online, and hybrid (part on-campus, part online). Most classes meet twice per week (Monday/Wednesday or Tuesday/Thursday) or once per week throughout the quarter.

## Find Out More

For general questions, please contact Julie Lyderson, Electronics Program Navigator, at [Julie.Lyderson@seattlecolleges.edu](mailto:Julie.Lyderson@seattlecolleges.edu) or (206) 934-4609 or a Skilled Trades and Technical Training advisor at [advisornorth@seattlecolleges.edu](mailto:advisornorth@seattlecolleges.edu) (206) 934-3658.

For questions related to specific courses, email the course instructor.

For questions related to Shoreline CC courses, contact Shoreline Advising at [www.shoreline.edu/advising/](http://www.shoreline.edu/advising/).



## Related Degrees and Certificates

North Seattle College is poised to meet the growing demand for highly skilled technicians with the most in-depth electronics program of any community or technical college in King County. North offers certificates and degrees in a wide range of specialty fields:

### Electronics Technology AAS Degree

Provides opportunities for students interested in the operation, maintenance and repair of a wide array of electronics-based equipment. Program emphasizes a hands-on approach, use of test equipment and a solid base of information concerning computer hardware and software for technical applications.

### Electronics Technology Certificate

Prepares students for employment with companies specializing in manufacturing and servicing all types of electronic equipment. North Seattle College graduates are preferred by industry employers and perform well in advanced training.

### Electronics Engineering Technology Associate of Applied Science-Transfer (AAS-T) Degree

Emphasizes calculus-based math and physics. This degree is intended for those wishing to transfer to the Electronics Engineering Technology Bachelor of Applied Science (BAS) program offered by Central Washington University. Students intending to enter the workforce and potentially continue their education toward an Electronics Engineering Technology bachelor's degree may consider this option.

### Aviation Electronics I: Wire Assembly Certificate

Provides students with the basic knowledge, skills, and abilities to meet requirements for employment as an entry-level wire assembly technician in aerospace-related industries.

### Aviation Electronics II: Electronics Technician Certificate

Provides students with the basic knowledge, skills, and abilities to meet minimum requirements for employment as an entry-level electronics technician in aerospace-related technologies.

### Avionics Technician Certificate

Provides students with the basic knowledge, skills, and abilities to meet minimum requirements for employment as an entry-level avionics technician in aerospace-related industries. Intended as a supplement for aviation maintenance technicians.

### Healthcare Technology Management/Biomedical Equipment Technician (HTM/BMET) AAS Degree

Provides specialized training needed to install, calibrate, service, repair, and modify patient monitoring and diagnostic equipment. Coursework includes electronics technology, chemistry, human anatomy and physiology, medical terminology, and preparation specific to employment in hospitals, medical equipment manufacturing, and field service engineering.

### Industrial Power and Control AAS Degree

Prepares students for employment with organizations that design, manufacture, service, sell, or support electrical and electronic systems that control machinery, automation and/or processes.

### Industrial Power and Control Certificate

Prepares students for employment with organizations that manufacture, service, sell, design and support electrical and electronic systems that control machinery, automation and processes.

### Industrial Automation and Electronic Controls Certificate

Prepares students for employment with organizations that design, manufacture, service, sell, and support electrical and electronic systems that control machinery, automation, and processes.

### IT Controlled Electronic Systems AAS Degree (offered by the IT Department)

Provides skills needed to install, maintain, and monitor information technology systems and IT-controlled electronic systems including security and entertainment systems.

### IT Controlled Electronic Systems Certificate (offered by the IT Department)

Provides skills needed to install, maintain, and monitor information technology systems and IT-controlled electronic systems including security and entertainment systems.

### Associate of Science Option II Degree, with an Emphasis in Engineering (Not an EET Program)

Provides a deeper theoretical foundation in engineering fundamentals. Intended for students who wish to transfer to an engineering bachelor's degree program.

Please see an advisor or the electronics navigator to determine which path is right for you.