



This pathway meets the requirements for the Associate of Applied Science (AAS) in Healthcare Technology Management/Biomedical Equipment Technology (HTM/BMET) degree. The program emphasizes a practical, hands-on approach to the field of electronics and prepares students for a career as an electronics technician. The program requires workplace experience in the form of a final quarter externship with diverse medical equipment. Completion of this degree opens doors to a variety of careers in specialties including biomedical electronics technology, manufacturing, industrial automation and robotics in the commercial and public sectors.

Before Quarter One

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

Quarter One (Fall)

- AMA 1175
- EET 105.....2
- EET 109 (Prerequisite: MATH 081 or equivalent) or MATH& 141 (Prerequisite: MATH 098 with 2.0 or better)5
- EET 161 (Prerequisite: MATH 081 or equivalent).....5

Quarter Two (Winter)

- CHEM& 110 or CHEM& 121 (Prerequisite: MATH 098 with 2.0 or better or placement above MATH 098).....5
- EET 131.....5
- EET 162 (Prerequisite: EET 161 with 2.0 or higher and EET 109 or MATH 141 with 2.0 or higher).....5

Quarter Three (Spring)

- EET 112 (Prerequisite: EET 109 or MATH& 141).....5
- EET 163 (Prerequisite: EET 162)5
- EET 170 (Prerequisite: EET 161)5

Quarter Four (Summer)

- EET 132 (Prerequisite: EET 131)5
- ENGL& 101 (Prerequisite: Placement)5

Quarter Five (Fall)

- BUS 118.....5
- EET 165 (Prerequisite: EET 163)5
- EET 286 (Prerequisite: EET 162 with a 2.0 GPA).....5

Quarter Six (Winter)

- BUS 236 or an approved Human Relations course5
- EET 106 (Prerequisite: EET 160 or EET 161)1
- EET 114 (Prerequisite: EET 109 or MATH& 141).....5
- EET 287 (Prerequisite: EET 286 with 2.5 or better).....5

Quarter Seven (Spring)

- BUS 112 or an approved US Cultures or Global Studies course5
- EET 297 (Prerequisite: EET 163, AMA 117, CHEM& 121 or CHEM&110, EET 287 with a 2.0 or better)4

Total Credits Required: 97

Credits

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 for the upcoming academic year in Winter or Spring quarter to maximize your funding options.
- Visit startnextquarter.org to find out if Workforce Education funding is available for you.
- Contact the Electronics program navigator for an informational meeting.
- Explore Prior Learning Assessment (PLA) options if you have significant professional industry training.

Quarter 1 (Fall)

- Schedule an appointment with your assigned advisor in Starfish (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.
- Explore electronics disciplines in industry in EET 105 to confirm career choice.
- Form study groups with classmates and learn about tutoring options at the Student Learning Center.
- View employment opportunities in EET News on Canvas quarterly.
- Attend on campus and virtual career fairs and employer presentations.
- Check out campus life: student clubs, Equity & Welcome Center, Fall Fest, etc.

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.
- 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>).
- CHEM& 121 is offered every quarter. CHEM 110 is offered Fall and Spring quarters.

Quarter 3 (Spring)

- Attend a resume workshop and create a resume.
- Attend on campus and virtual career fairs and employer presentations.
- Consider Student Leadership positions and other on-campus jobs such as a teaching assistant.
- Apply for Summer Financial Aid.
- If unable to take Summer classes, update your educational plan with assigned advisor or Electronics program navigator.

**To Do List (continued)****Quarter 4 (Summer)**

- Consider attending a conference by AAMI or MDExpo.
- Ensure all Academic Exception paperwork is submitted (such as course substitutions, transfer credit, and PLA), as needed.

Quarter 5 (Fall)

- Update your educational plan with your assigned advisor or Electronics program navigator.
- Attend an interview prep workshop through OCE&E.
- Talk to your faculty about applying for your biomed externship.
- Consider attending a conference by Washington Biomedical Association or Oregon Biomed Association.
- Create a LinkedIn profile and clean up your online presence.
- Verify academic progress in Degree Audit (<https://northseattle.edu/online-services/degree-audit>).

Quarter 6 (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 Healthcare Technology Management/Biomedical Equipment Technology.
- View employment opportunities in EET News on Canvas quarterly.
- Update your resume.

Quarter 7 (Spring)

- Order cap and gown for commencement.
- Attend on-campus graduation fair and commencement ceremony.
- Add your classmates on LinkedIn to grow your network and keep in touch.
- Join alumni association.
- Consider attending a conference by AAMI or MDExpo.

Career Opportunities

Technician in:

- | | |
|--|---|
| 1. Biomedical Equipment Technology | 6. Clinical Laboratory Equipment |
| 2. Healthcare Equipment Research and Development | 7. Hospital and Clinical Equipment Service and Repair |
| 3. Healthcare Equipment Manufacturing | 8. Field Service Maintenance |
| 4. Imaging Technology | 9. Industrial Maintenance |
| 5. Surgical Equipment | 10. Metrology (Calibration) |
| | 11. Laser Technology |

For current employment and wage estimates, please visit and search at www.bls.gov/oes.

Approximate Costs Each Quarter

Tuition & fees for:

WA state residents	\$1,555.00
International students	\$3,297.75
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.

Which quarter can I begin?

Any.

Length of Program

97 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

Visit northseattle.edu/programs/electronics-technology to learn about this pathway, or contact Julie Lyderson, Electronics Program Navigator, at Julie.Lyderson@seattlecolleges.edu or (206) 934-4609 or a Skilled Trades and Technical Training advisor at advisornorth@seattlecolleges.edu (206) 934-3658.

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



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 AAS-T Degree

Provides a greater emphasis on math and physics. Careers using this degree lead to jobs such as an engineering aide. This degree is designed to keep future educational opportunities open (such as applied bachelor degrees). Note: students interested in subjects such as avionics, A+ certification, metrology, and PLCs should complete the AAS in Electronics Technology instead.

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 industries.

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 to the Airframe and Powerplant (A&P) license for aviation maintenance technicians.

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 design, manufacture, service, sell, and support electrical and electronic systems that control machinery, automation, and processes.

Mechatronics AAS Degree

Prepares students for employment with organizations that design, manufacture, service, sell, and support electromechanical and robotic systems that control machinery, automation, and processes. Offered in partnership with Shoreline Community College (SCC) and requires enrollment at both SCC and North Seattle College.

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)

Students develop 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

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.