



This pathway meets AAS-T Electronics Engineering Technology degree requirements. The program emphasizes a practical, hands-on approach to the field of electronics and prepares students for a career as an electronics technician. Completion of this degree opens doors to a variety of careers in specialties including aerospace, manufacturing, avionics, biomedical, industrial automation and robotics, and telecommunications in the commercial and government sectors.

Before Quarter One
Credits

- Pre-College Math or ABE (if needed)
- Pre-College English, ABE, or ESL (if needed)
- MATH&141 (Prerequisite: MATH 098 with 2.5 or higher or placement)
- PHYS&114 (Prerequisite: MATH 098 with 2.0 or higher and placement into ENGL&101) if no high school physics

Quarter One (Fall)

- EET 161 (Prerequisite: MATH 081 or equivalent).....5
- MATH& 142 (Prerequisite: MATH& 141 with 2.5 or better)5

Quarter Two (Winter)

- EET 162 (Prerequisite: EET 161 with 2.0 or higher and EET 109 or MATH 141 with 2.0 or higher).....5
- MATH& 151 (Prerequisite: MATH& 142 with 2.5 or better or placement).....5

Quarter Three (Spring)

- EET 105.....2
- MATH& 152 (Prerequisite: MATH& 151 with 2.5 or better or placement).....5
- EET 170 (Prerequisite: EET 161) 5

Quarter Four (Summer)

- EET 163 (Prerequisite: EET 162)5
- ENGL& 101 (Prerequisite: Placement)5

Quarter Five (Fall)

- EET 171 (Prerequisite: EET 170)5
- EET 165 (Prerequisite: EET 163)5

Quarter Six (Winter)

- EET 137 (Prerequisite: MATH 084 or higher or EET 109)5

Quarter Seven (Spring)

- EET 138 (Placement into MATH 084 or higher or EET 109).....5
- PHYS& 221 (Prerequisite: MATH& 151 with 2.0 or better & PHYS& 114 or equivalent)5

Quarter Eight (Summer)

- BUS 112 or an approved US Cultures or Global Studies course5
- PHYS& 222 (Prerequisite: PHYS& 221 & MATH& 152 with 2.0 or better)5

Quarter Nine (Fall)

- EET 108 (Prerequisite: MATH 081 or equivalent).....5
- PHYS& 223 (Prerequisite: PHYS& 222 & MATH& 152 with 2.0 or better)5

Quarter Ten (Winter)

- ENGL& 235 (Prerequisite: ENGL&101).....5
- Technical Elective : Any non-required EET course or an approved course3-5

Quarter Eleven (Spring)

- BUS 236 or an approved Human Relations course5
- CMST& 210 (Prerequisite: Placement into ENG& 101)5

Total Credits Required: 103-107
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.
- Form study groups with classmates and learn about tutoring options at the Student Learning Center.
- View employment opportunities in EET News on Canvas quarterly.
- Contact Central Washington University if you intend to transfer into the Bachelor of Science in Electronics Engineering Technology.

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.

Quarter 3 (Spring)

- Explore electronics disciplines in industry in EET 105 to confirm career choice.
- Attend on campus and virtual career fairs and employer presentations.
- Apply for Summer Financial Aid.
- If unable to take Summer classes, update your educational plan with assigned advisor or Electronics program navigator.

Quarter 4 (Summer)

- Verify academic progress in Degree Audit (<https://northseattle.edu/online-services/degree-audit>).

Quarter 5 (Fall)

- Attend a resume workshop and create a resume.
- Explore internship options with Electronics program navigator.

Quarter 6 (Winter)

- Apply for financial aid for the upcoming academic year in Winter or Spring quarter to maximize your funding options.



To Do List (continued)

Quarter 7 (Spring)

- Attend on campus and virtual career fairs and employer presentations.
- Apply to the Bachelor of Science in Electronics Engineering Technology at Central Washington University.

Quarter 8 (Summer)

- Explore opportunities for informational interviews through OCE&E.
- View employment opportunities in EET News on Canvas quarterly.

Quarter 9 (Fall)

- Attend an interview prep workshop through OCE&E.
- Create a LinkedIn profile and professional email address, and clean up your online presence.

Quarter 10 (Winter)

- Apply for graduation for Associate of Applied Science-Transfer (AAS-T) in Electronics Engineering Technology.
- Fine tune your resume for job search

Quarter 11 (Spring)

- Order cap and gown for commencement and join alumni association.
- Attend on-campus graduation fair and commencement ceremony.
- Add your classmates on LinkedIn to grow your network and keep in touch.

Career Opportunities

Technician in:

1. Biomedical
2. Industrial Maintenance
3. Industrial Automation
4. Robotics
5. Aerospace Manufacturing
6. Avionics
7. Defense Contractors
8. Metrology (Calibration)
9. Fiber Optics
10. Telecommunications
11. Laser Industries

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	\$1282.60
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. You do not need to be a full-time student to receive financial aid funds.

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

108-111 credits = 11 quarters if you take 10 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:

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 maintain 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 Certificate

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

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.

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.

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 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.

IT Controlled Electronic Systems Certificate

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.