

Program Description: The two-year Electronics Engineering Technology transfer degree program at North Seattle College prepares students for admission to Central Washington University’s (CWU) Bachelor of Science (BS) in Electronics Engineering Technology at as well as for the workplace. Students interested in transferring to CWU should meet with the Electronics Navigator for details prior to starting this program.

Students interested in entering employment immediately upon completion of the Electronics Engineering Technology AAS-T degree will find that the course work provides an excellent foundation in applied engineering. The degree is popular among employers because graduates are skilled in practical engineering applications.

Prerequisites: Many classes have prerequisites. Prerequisites are those classes that prove eligibility for entry-level classes by testing or by having satisfied prior course work. Course work earned at other institutions must be unofficially evaluated or approved by a program advisor before registering. Courses in this certificate with pre-requisites are marked with an asterisk (*). See catalog for more information.

Electronics Engineering Technology AAS-T Prerequisites: Placement into ENGL& 101 or higher, placement into MATH& 141 or more advanced, completion of high school Physics or PHYS& 114, and BUS 169 or equivalent computer experience.

Note: Advanced placement testing, work experience, and transfer of credits may result in course waivers, credit transfer, and advanced placement.

Program Requirements		
Course Number	General Education/Related Instruction Requirements (40 credits)	Credit Hours
ENGL& 101*	Composition	5
ENGL& 235*	Technical Writing	5
MATH& 141*	Pre-Calculus I	5
MATH& 142*	Pre-Calculus II	5
MATH& 151*	Calculus I	5
MATH& 152*	Calculus II	5
Human Relations Elective	CMST& 210* Interpersonal Communications	5
US Cultures/ Global Studies Elective	BUS 112 Multi-Cultural Communication in the American Workplace (preferred) or any approved US Cultures or Global Studies course	5
Course Number	Degree Requirements (67 credits)	
EET 105	Introduction to Technology	2
EET 108	Introduction to Fiber Optics	5
EET 137*	Introduction to Robotics	5
EET 138	Industrial Robotics	5
EET 161	D.C. Principles of Electronics	5
EET 162*	A.C. Principles of Electronics	5
EET 163*	Solid State Electronics	5
EET 165*	Analog Circuits and Devices	5
EET 170*	Digital Electronics & PLCs I	5
EET 171*	Digital Electronics & PLCs II	5
PHYS& 221*	Engineering Physics I	5
PHYS& 222*	Engineering Physics II	5
PHYS& 223*	Engineering Physics III	5
		Total Credits: 102 (excluding prerequisites)

Program Outcomes

- Understand technical concepts and terms used in the electronics field.
- Analyze and troubleshoot electronic systems using standard instrumentation and software simulation.
- Use, configure, and troubleshoot computer hardware, operating systems, and basic networks.
- Repair, maintain and install electronic and electrical systems.
- Locate, evaluate, and apply relevant information from various sources.
- Use standard business software as a communications tool.

What Skills do I need to be successful in this field?

- <https://www.onetonline.org/link/summary/17-3023.00>

What are some potential job titles?

- Electronics Technician
- Electronics Engineering Technician
- Engineering Aide
- Failure Analysis Technician

Wages, employment trends and pathways

- <https://www.onetonline.org/link/summary/17-3023.00#WagesEmployment>

Course Sequence: This program of study is outlined by quarter, and courses should be taken in the indicated sequence. However, it should not be concluded that students will always proceed through their program of study exactly as prescribed here. The number of quarters listed here is minimal. Not all courses are offered every quarter. Individual student experiences, educational and training background, and personal schedules and demands all may affect the time it takes to finish this program. Summer quarter is included in the sequence below for this program.

1st quarter: EET 105, EET 161, MATH& 141	12 credits
2nd quarter: EET 162, ENGL& 101, MATH& 142	15 credits
3rd quarter: EET 163, EET 170, MATH& 151	15 credits
4th quarter: MATH& 152, PHYS& 221	10 credits
5th quarter: EET 165, EET 171, PHYS& 222	15 credits
6th quarter: BUS 112 (or approved US Cultures or Global Studies elective), EET 137, PHYS& 223	15 credits
7th quarter: EET 108, EET 138, ENGL& 235	15 credits
8th quarter: CMST& 210	5 credits

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Electronics Department Website: <https://northseattle.edu/electronics>

Program Website: <https://northseattle.edu/programs/electronics-technology-and-electronics-engineering>

NSC Advising: 206-934-3658 <https://northseattle.edu/advising>