

Program Description: This two-year program of study prepares students for admission to a Bachelor of Science (BS) degree program in Electronics Engineering Technology at Central Washington University (CWU) as well as for the workplace. If students goal is to complete the BS at CWU it is recommend they speak to the EET Coordinator for details prior to starting this program.

If you want to go to work immediately upon completion of the North Seattle Community College program –whether you continue into advanced training or not – you will find that the course work has given you an excellent foundation in applied engineering. Our program 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. Course in this degree with pre-requisites are marked with an asterisk (*). See catalog for more information.

Electronics Engineering Technology AAS Prerequisites: Placement into ENGL&101 or higher, Placement into MATH&141 or higher or successful completion of equivalent class (or higher) 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 (38-40 credits)	Credit Hours
CMST&210*	Interpersonal Communications	5
ENGL&101*	Composition	5
ENGL&230* or ENGL&235	Technical Writing	3-5
MATH&142*	Pre-Calculus II	5
MATH&151*	Calculus I	5
MATH&152*	Calculus II	5
Human Relations	Choose one of the following: BUS 236 preferred, HUM 105, ISP 101, ISP 105, ISP 110, POLS 112, SOC&101	5
US Cultures/ Global Studies Elective	Five credits selected from a list of approved US Cultures or Global Studies courses	5
Course Number	Degree Requirements (65-67 credits)	
EET 105	Introduction to Technology	2
EET 108	Introduction to Fiber Optics	5
EET 137*	Introduction to Robotics	5
EET 138*	Robotic Applications	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
Technical Elective	Any non-required EEL, EET, HVC, TDR, CSC, CHEM, ENGR, NANO, MATH 116* or higher, BUS 210*, BUS 229* or IT 111	3-5
		Total Credits: 103-107 (excluding pre-requisites)

Program Outcomes:

- Understand technical concepts and terms used in the electronics field.
- Analyze and troubleshoot electronic systems using standard instrumentation and or 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?

- <http://www.onetonline.org/link/summary/17-3023.01>

What are some potential job titles?

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

Wages, employment trends and pathways

- <http://www.onetonline.org/link/summary/17-3023.01#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. Although summer quarter is not considered one of the full-time quarters in the program it would be a good time to take any of the courses listed below at, "Any quarter."

1st quarter: EET 105, EET 161, MATH&142

2nd quarter: EET 162, ENGL&101, MATH&151

3rd quarter: EET 163, EET 170, MATH&152

4th quarter: EET 165, EET 171, PHYS&221

5th quarter: EET 137, PHYS&222, EET 108,

6th quarter: EET 138, PHYS&223, Human relations

Any quarter: CMST&210, ENGL&230 or ENGL&235, US Cultures or Global Studies, Technical Elective

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

Program Website: <https://northseattle.edu/career/degrees/electronics-engineering-technology-aas>

For more information about our graduation rates, the median debt of students who have completed these program, and other important information, please visit our website at <https://northseattle.edu/about-north/gainful-employment-information>