

Avionics Technician Certificate – Program Code (630M)

Requirements Effective Spring 2016

Program Planning Guide

Program Description: This certificate is designed to provide students with the basic knowledge, skills and abilities to meet minimum requirements for employment as an entry-level avionics’ technician in aerospace-related technologies. This program is intended as a supplement for Aviation Maintenance Technicians.

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 degree with prerequisites are marked with an asterisk (*). See catalog for more information.

Avionics Technician Certificate Prerequisites: Successful completion of South Seattle College’s AMT 112 **OR** approved equivalent **OR** FAA Airframe license.

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

Program Requirements		
Course Number	Certificate Requirements (15 credits)	Credit Hours
EET107	Aviation Electronics	5
EET108	Introduction to Fiber Optics	5
EET137* OR EET 170	Introduction to Robotics OR Digital Electronics & PLCs 1	5
		Total Credits: 15 (excluding pre-requisites)

Program Outcomes:

- Identify and apply technical concepts and terms used in the avionics field.
- Perform basic wiring and termination common to avionics
- Locate, evaluate, and apply relevant information from various sources to address workplace problems.

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

<http://www.onetonline.org/link/summary/49-2091.00>

What are some potential job titles?

- Avionics Technician
- Aircraft Electrical Systems Specialist
- Avionics Installer

Wages, employment trends and pathways

<http://www.bls.gov/oes/current/oes492091.htm>

Suggested 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. Also, in general, summer quarter is not considered one of the full-time quarters in the program.

1st quarter: EET 107, EET 108, and **either** EET 137 **or** EET 170

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

Program Website: <https://northseattle.edu/certificates/avionics-technician-certificate>