

Broadband Cable Certificate – 630F

Requirements Effective Fall 2015

Program Planning Guide

Program Description: North's Broadband Cable certificate is designed to provide entry-level training for people who want to work as technicians in the broadband cable industry. This field is growing rapidly as new services are continuing to be introduced over cable to include HDTV, high speed internet and digital voice (telephony services).

The certificate is the only program in this region that specifically addresses the broadband industry. Courses will include Introduction to Broadband, IT Essentials, Principles of Electronics and Human Relations.

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.

Broadband Cable Certificate Prerequisites: Placement into ENGL 097/098 or higher, Placement into MATH 084 or higher, 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	Certificate Requirements (30 credits)	Credit Hours
Human Relations	Choose one of the following: BUS 236 preferred, HUM 105, ISP 101, ISP 110, POLS 112, SOC& 101	5
EET 131	IT Essentials – A+ Certification	5
EET 132*	IT Essentials – A+ Certification Advanced	5
EET 135	Introduction to Broadband	5
EET 160 or EET 161	Introduction to Electricity and Electronics or D.C. Principles of Electronics	5
EET 108	Introduction to Fiber Optics	5
		Total Credits: 30 (excluding pre-requisites)

Program Outcomes:

- Identify and apply technical concepts and terms used in broadband systems.
- Analyze and troubleshoot broadband systems.
- Use and configure computer hardware, operating systems and basic networks.
- 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/49-9052.00>

What are some potential job titles?

- Communication Technician
- Service Technician
- Installation & Repair Technician
- Cable Technician

Wages, employment trends and pathways

- <http://www.onetonline.org/link/summary/49-9052.00#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. Also, in general, summer quarter is not considered one of the full-time quarters in the program.

1st quarter: Human Relations, EET 131, EET 160 or EET 161

2nd quarter: EET 108, EET 132, EET 135

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

Program Website: <https://northseattle.edu/certificates/broadband-cable-certificate>