

Electronics Telecommunications Technology AAS 651C

Requirements Effective Summer 2014

Program Planning Guide

Program Description: North's Electronics Telecommunications Technology Associate of Applied Science degree prepares students for entry into a broad number of careers — installing, repairing and maintaining telephone equipment, cables, access lines and telecommunications systems, including wireless communication systems. This program offers job training directed toward immediate employment and future advancement with companies specializing in manufacturing or servicing all types of electronic equipment. Our graduates are preferred by industry employers and perform better in advanced training.

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 Telecommunications Technology AAS Prerequisites: Placement into ENGL97/98 or higher, Placement into MATH 084 or higher or successful completion of equivalent class (or higher). BUS 169 or IT 101 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 (20 credits)	Credit Hours
BUS 112	Multi-Cultural Issues in the American Workplace or any approved Global Studies course or any approved US Cultures course	5
BUS 236	Interpersonal Communications for the Workplace	5
ENGL&101	English Composition I	5
EET 109* or MATH102*	Mathematical Applications for Circuit Analysis or College Algebra (or any higher math course)	5
Course Number	Degree Requirements (97 credits)	
EET 105	Introduction to Electronics	2
EET 131	IT Essentials – A+ Certification	5
EET 132*	IT Essentials – A+ Certification Advanced Introduction to Broadband	5
EET 135	Introduction to Broadband	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 I	5
EET 170*	Digital Circuits I	5
EET 171*	Digital Circuits II	5
EET 241	Principles of Telecommunications I	5
EET 242*	Principles of Telecommunications II	5
EET 243*	Principles of Telecommunications III	5
EET 251*	Microprocessor Fundamentals I	5
IT 124*	Network OS 2 - Win2k Server	5
IT 134*	Network Communications 0TCP/IP	5
IT 138*	UNIX for Network Administration	5
IT 142*	Network Management - CISCO I	5
IT 144*	Network Management - CISCO II/117	5
Total Credits: 117		
(excluding pre-requisites)		

Program Outcomes:

- Students will graduate from the college knowing how to access, evaluate, and demonstrate critical use and synthesis of information collected from a wide variety of proprietary and non-proprietary sources.
- During their enrollment at North students will have adequate access to study space, current technology, and professional staff in order to support student learning.
- During their enrollment at North students will have adequate access to proprietary resources (databases, journals, eBooks, textbooks, books) and to Faculty Librarians in order to effectively complete required coursework

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?

- Wired, wireless and cellular service technicians
- Line and station installers/repair technicians

Wages, employment trends and pathways

- <http://www.onetonline.org/link/summary/49-9052.00>

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 105, EET 109 or MATH102 (or higher), EET 131, EET 161

2nd quarter: EET 132, EET 162, EET 163

3rd quarter: EET 135, EET 165, EET 170, IT 124

4th quarter: EET 166, EET 171, EET 241, IT 134

5th quarter: EET 242, EET 251, IT 142

6th quarter: EET 243, EET 252, IT 138

Any Quarter: BUS 112 or Global Studies or US (United States) Cultures, BUS 236, ENGL&101

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

Program Website: <https://northseattle.edu/programs/telecommunicationse>