

Programming & IT Network Support AAS-T (515)
Requirements Effective Fall 2014
Program Planning Guide

Program Description: Take the first step to become an IT Professional. Graduates of the Programming & IT Network Support degree are dually prepared for both the workplace and to transfer into the Application Development Bachelor of Applied Science (BAS) Degree program. Learn beginning programming, networking, and troubleshooting skills so you can get an entry-level IT job as you pursue your BAS degree.

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

Programming & IT Network Support AAS-T Prerequisites: EET131, MATH098 (Intermediate Algebra), and Placement into ENGL&101

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 (30 credits)	Credit Hours
ENG 101*	English Composition I	5
Math&141*	Pre-calculus I	5
Math&146*	Intro to Statistics	5
<u>HUM105</u> or <u>SOC101</u>	Intercultural Communication or Intro to Sociology	5
US Cultures or Global Studies	Five credits selected from the list of approved US Cultures or Global Studies courses (see page 2*)	5
Natural World Lab Science	Five credits must be selected from the list of approved Natural World lab science course (see page 2*)	5
Course Number	Degree Requirements (61 credits)	
CSC 110*	Introduction to Computer Programming	5
<u>CSC 111*</u> or <u>BUS 169</u>	Computers for Math and Science or Using Computers in Business 1	5
<u>CSC 142*</u>	Computer Programming 1	5
IT 109	ITIL Foundation Certification Preparation	1
<u>IT111</u>	Internet and Web Authoring	5
<u>IT122*</u>	Network Operating Systems 1	5
IT 125	Structured @Query Language & Server SQL Server	5
IT 126*	Network Operating Systems 3	5
IT 135	UNIX Operating System	5
IT 138*	UNIX for Network Administration	5
IT 142*	Network Management CISCO I	5
IT 144*	Network Management CISCO I	5
IT 102, CSC 143* or IT 146	Technical Elective	5
		Total Credits: 91 (excluding pre-requisites)

Program Outcomes:

- Students will meet the prerequisite requirements for entrance into the Bachelor of Applied Science Degree in Application Development
- Students will apply scientific or technical knowledge in order to understand issues, solve problems, and engage in useful and responsible practices in computer programming
- Troubleshoot hardware & network problems
- Install and configure software & upgrades
- Install, configure & test network devices, servers & workstations
- Function effectively as a member of a team

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

- <http://www.onetonline.org/link/summary/15-1132.00>

What are some potential job titles?

- Network Technician, Network Support Technician, System Support Technician, Technical Support Technician, Datacenter Technician, Helpdesk Specialist, Application Programmer, UNIX Programmer

Wages, employment trends and pathways

- <http://www.onetonline.org/link/summry/15-1132.-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: ENG&101, CSC 111 or BUS 169, MATH&141
- 2nd quarter: IT 135, IT 122, MATH&146
- 3rd quarter: IT 138, IT 142, CSC 110
- 4th quarter: IT 144, CSC 142, IT 111
- 5th quarter: Natural World lab science elective, IT 125, IT 102 or CSC 143 or IT 146
- 6th quarter: IT 126, US Cultures or Global Studies elective, HUM 105 or SOC 101, IT 109
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NSC Advising Office (206) 934-3658 <https://northseattle.edu/advising>

Program Website: <https://northseattle.edu/programs/information-technology>

* Courses currently approved to fulfil Natural World, Global Studies, or US Cultures elective requirements can be found on Programming & IT Network Support AAS-T website.