

**Network & Server Administration AAS – 527J**  
Requirements Effective Spring 2012  
Program Planning Guide

**Program Description:** This 2-year Associate of Applied Science degree program is focused on UNIX/Linux, Microsoft, and Cisco operating system configuration, management, and security. The curriculum includes information security concepts and best-practices, and industry certification (CompTIA, Microsoft, Cisco, etc.) preparation.

**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 pre-requisites are marked with an asterisk (\*). See catalog for more information.

**Network & Server Administration AAS Prerequisites:** Placement into ENGL&101, Placement into MATH 084 (or higher)

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

<b>Program Requirements</b>		
<b>Course Number</b>	<b>General Education/Related Instruction Requirements (20 credits)</b>	<b>Credit Hours</b>
EET 109*	Mathematical Applications for Circuit Analysis	5
BUS 236	Interpersonal Communications for the Workplace	5
ENGL&101*	Composition	5
	Five credits must be selected from a list of approved US Cultures or Global Studies	5
<b>Course Number</b>	<b>Degree Requirements (70 credits)</b>	
EET 131	IT Essentials I - A+ Certification	5
EET 132*	IT Essentials II – A+ Certification Advanced	5
IT 101	Software Applications	5
IT 102	Introduction to Programming	5
IT 122*	Network Operating Systems 1	5
IT 126*	Network Operating Systems 3	5
IT 128*	Network Operating Systems 4	5
IT 135	Introduction to UNIX	5
IT 138*	UNIX for Network Administration	5
IT 142*	Network Management – CISCO I	5
IT 144*	Network Management – CISCO II	5
IT 146*	Network Management – CISCO III	5
IT 220*	Desktop Management & Virtualization	5
Technical Electives	Five credits must be selected from a list of approved technical electives	5
		Total Credits: 90 (excluding pre-requisites)

<b>Technical Electives</b>		
BUS 118*	Project Management Introduction and Overview	5
CWE 110	Internship	3
EET 135	Introduction to Broadband	5
EET 160	Introduction to Electricity and Electronics	5
EET 161	D.C. Principles of Electronics	5
IT 111	Internet and Web Authoring	5
IT 140*	UNIX Shell Scripts Perl	5
IT 298	Special Projects for LAN	5

## Program Outcomes:

- Install & configure software and upgrades
- Install, configure & test network devices, servers and workstations
- Troubleshoot hardware & network problems

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

- <http://www.onetonline.org/link/summary/15-1152.00>
- <http://www.onetonline.org/link/summary/15-1142.00>

## What are some potential job titles?

- Network Manager
- Information Technology (IT) Specialist
- Systems Administrator

## Wages, employment trends and pathways

<http://www.onetonline.org/link/summary/15-1142.00#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.

**1<sup>st</sup> quarter:** EET 109, EET 131, IT 101

**2<sup>nd</sup> quarter:** EET 132, IT 102, IT 122

**3<sup>rd</sup> quarter:** IT 126, IT 135, IT 142

**4<sup>th</sup> quarter:** IT 128, IT 138, IT 144

**5<sup>th</sup> quarter:** BUS 236, ENGL&101, IT 146

**6<sup>th</sup> quarter:** IT 220, Technical Elective, US Culture or Global Studies elective

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

**Program Website:** <https://northseattle.edu/career/degrees/network-server-administration-aas-degree>