

Network & Server Administration AAS – 527J

Requirements Effective Fall 2016

Program Planning Sheet

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.

Program Requirements		
Course Number	General Education/Related Instruction Requirements (20 credits)	Credit Hours
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
Course Number	Degree Requirements (70 credits)	
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 124*	Network Operating Systems 2	5
IT 126*	Network Operating Systems 3	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)		

Technical Electives		
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 128	Network Operating System 4	5
IT 140*	UNIX Shell Scripts Perl	5
IT 150	Network Security Fundamentals	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.

1st quarter: EET 109, EET 131, IT 101

2nd quarter: EET 132, IT 102, IT 122

3rd quarter: IT 126, IT 135, IT 142

4th quarter: IT 128, IT 138, IT 144

5th quarter: BUS 236, ENGL&101, IT 146

6th quarter: IT 220, Technical Elective, US Culture or Global Studies elective

Program Contact: **BEIT Division** (206) 934-3730 NSCC.BEIT@seattlecolleges.edu

NSC Advising Office (206) 934-3654 <https://northseattle.edu/advising>

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