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## NETWORK ENGINEER SPECIALIST DIPLOMA

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Computer Networking Career is one of the top 5 careers within North America. In fact, during the last recession, computer networking jobs were not affected by the recession. Becoming an IT professional, you need the right mix of education, skills and experience, BTT's Network Engineer Specialist Diploma can put you into an entry level IT job.

Among the most important functions of this job are the efficient storage, analysis and transmission of information. Professional Network Engineers help individuals and organizations share and store information through computer networks and systems, the Internet and computer data-bases.

BTT's Network Engineer Specialist Diploma helps graduates prepare to perform tasks associated with installing, upgrading and maintaining computer network systems in typical LAN/WAN environment.

### **Network Engineer Specialist Main Duties:**

- Set up, test and evaluate systems such as local area networks (LANs); wide area networks (WANs), the Internet, intranets, and other data communications systems.
- Perform network modeling, analysis, and planning which often require both hardware and software solutions.
- Design, install, and support an organization's computer systems. Responsible for LANs, WANs, network segments and Internet and intranet systems.
- Install and maintain network hardware and software, analyze problems, and monitor networks to ensure their availability to users.
- Perform tasks associated with installing, upgrading and maintaining computer network systems in typical LAN/ WAN environment.
- Gather data to evaluate a system's performance, identify user needs, and determine system and network requirements



## Career Opportunities

Graduates may begin their careers in Information Technology involving the option pursued in a variety of entry-level positions. For the Computer Network Systems option, such positions may include computer network analyst, computer network technician, help desk analyst and WAN/LAN technician.

## Admission Requirements

No Experience is required. However, an individual must have a high school diploma to attend this program. If a student is mature and does not have a high school diploma then they can take an assessment test. **School Equipment**

Students will have the opportunity to use the following school equipment as required throughout the program: computer systems, network hubs, patch panels, printers and other common computer peripherals.

## Class Size

Classes generally range in size from 8 to 10 students. Depending on the course subject matter, certain classes may contain a greater or lesser number of students.

## PROGRAM OUTLINE:

Course Number	Course Description	Course Credit
PC-A	PC Maintenance- Preparation for A+ certification exam	40
INN005	Introduction to Networking – Preparation for Network+ certification exam	30
WNNS201	Working with Network Security – Preparation for Security+ certification exam	30
70-680	Windows 7, Configuring – Preparation for Windows 7 certification exam	50



70-640	TS: Windows Server 2008 Active Directory, Configuring Exam	50
70-646	Pro: Windows Server 2008, Server Administrator Exam	100
70-642	TS: Windows Server 2008 Network Infrastructure, Configuring Exam	50
SPSW	Scripting and PowerShell - Windows Server 2008 PowerShell	30
HVVM	Virtualization and VMWare – Working with VMWare ESX and Microsoft Hyper-V	30
70-662	TS: Microsoft Exchange Server 2010, Configuring and Administration	50
70-432	TS: Microsoft SQL Server 2008, Administration	40
LXA12	Linux Administration – Preparation for Linux+ certification	30
640-802	Routing and Switching - Cisco Certified Network Associate Exam	40
ITF	ITIL Foundation V3	30