Network Management
CSCI 5180

Network Engineering - Review

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Topics

- **Python Programming**

- **OSI Model**

- **OS shell/terminal**

- **Network Topologies and Media**

- **Switching**
  - STP
  - VLANs
  - Trunking

- **IPv4 Addressing**
  - Public vs. Private
  - Subnetting

- **IPv6**

- **Routing & BGP**

Topics

- **Protocol Analyzers (Wireshark)**

- **Applications: DHCP, HTTP, DNS, etc.**

- **TCP**

- **Wireless**

- **Linux**

- **Security**

- **Network Automation**

- **IOT**

- **Cloud & Data Center**

ARP

DNS

Routing and Switching