Information Technology- Networking
Associate in Applied Science-Transfer Degree (AAS-T)
105-120 Credits

The degree program prepares students for entry-level employment in a variety of IT positions, such as, PC repair technician, help-desk technician, technical support specialist, network technician, and network or computer systems administrator.

Students receive foundational training in a broad range of networking and computer systems administration subjects, resulting in a balanced, well-rounded knowledge of information technology. Students also complete four courses on key networking topics: Introduction to Networking, Managing Cisco Routers and Switches, Managing a Microsoft Windows Network Environment, and Implementing and Securing Wireless Networks (or Implementing and Managing Microsoft Exchange). In addition to these specialized courses, students learn key interpersonal communication skills sought by employers and complete a minimum of 90 hours of information assurance-related work experience.

Help-desk technicians troubleshoot hardware, software, and operating system problems reported by end users, often over the telephone. Technical support specialists install, configure, update, troubleshoot, and repair computer hardware, software, operating systems, and peripheral devices. Network technicians and administrators install, support, and maintain an organization’s network infrastructure. They also troubleshoot problems and monitor the network to ensure that performance and availability standards are met. System administrators install, support, and maintain an organization’s network servers and directory services infrastructure.

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Dept./No. Course Title Credits
General Education Requirements:
Bus& 101 Introduction to Business 5
Cmst& 210 or Interpersonal Communication or
  Cmst& 220 or Public Speaking or
  Cmst& 230 Small Group Communication 5
Engl 101 English Composition I 5
Engl 128 Research Writing: Science/Engineering/Business 5
Math& 107 or Math in Society or
  Math 108 or Contemporary Math for Information Technology or
  Math& 141 or Precalculus1 or
  Math& 142 or Precalculus 2 or
  Math 147 or Finite Math for Business and Social Science or
  Math& 151 or Calculus I or
  Eligible for Math& 142 or higher 0-5

NOTE: Students wishing to transfer to Central Washington University should take Math 147 and one of the following: (Math& 141, Math& 142, Math& 107, Math& 151 or Math& 148). Students who wish to

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transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements.

**Core Requirements**

* Keyboarding  30 wpm (5 minute-typing test administered by Business Education department)

**IT 110 or IT 115 or Bus E 266 or IT 116 or IT 130 or IT 131 or IT 132 or IT 135 or IT 140 or IT 145 or IT 160 or IT 190 or Bus E 184 or IT 201 or IT 225 or IT 250 or IT 252 or IT 240 or IT 243 or IT 245 or IT 246 or IT 250 or IT 285**

- **IT 110 or IT 115 or Bus E 266 or IT 116 or IT 130 or IT 131 or IT 132 or IT 135 or IT 140 or IT 145 or IT 160 or IT 190 or Bus E 184 or IT 201 or IT 225 or IT 250 or IT 252 or IT 240 or IT 243 or IT 245 or IT 246 or IT 250 or IT 285**

- **CompTIA A+ Certification 0-5**

- **IT 110 or IT 115 or Bus E 266 or IT 116 or IT 130 or IT 131 or IT 132 or IT 135 or IT 140 or IT 145 or IT 160 or IT 190 or Bus E 184 or IT 201 or IT 225 or IT 250 or IT 252 or IT 240 or IT 243 or IT 245 or IT 246 or IT 250 or IT 285**

- **or**

- **PC Support Technician 1 or PC Support Technician 2 or PC Support Technician 3 or Introduction to Networking or Network Infrastructure Fundamentals or Structured Cabling or Introduction to Network Security or Customer Service for IT Professionals or Using Microsoft Project (Current Version) or Microsoft Windows (Current version) Server Implementation or Linux Administration or Internet Basic and Web Design or Computer Science I Java or Programming I for Information Professionals or Introduction to HTML or Shell Scripting for Windows or Fundamental Database Design or MS SQL Server Administration or Managing Cisco Routers and Switches or Implementing Firewalls or Manage MS Windows (Current version) Network Environment or Advanced Linux Administration – TCP/IP or Implementing and Administering Directory Services or Implement and Manage MS Exchange (Current version) or Implementing and Securing Wireless Networks**

- **Practical Experience: Eight credits from the following courses:**

  - **IT 171 IT Work Experience Seminar** (1)
  - **IT 175 Student Assistant** (0-3)
  - **IT 178 Help Desk Work Experience** (0-7)
  - **IT 181 Network Management Work Experience** (0-7)