### Information Technology
#### Networking Infrastructure
Associate in Applied Science-Transfer Degree (AAS-T)
98-108 Credits

This degree program is designed to prepare graduates for employment in the fast-growing information technology field as network technicians, network administrators, and network engineers.

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. Network engineers design, plan, implement and administer complex network environments.

Students in this degree program receive foundational training in a broad range of networking subjects, resulting in a balanced, well-rounded knowledge of planning, implementing, maintaining and troubleshooting networks, including the routers, switches, wireless networking, firewalls, and wiring infrastructure. In addition to the technical courses, students learn key interpersonal, critical thinking, and communication skills sought by employers. Each graduate of this program will complete a minimum of 150 hours of network management work experience.

**Contact:**
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### General Education Requirements: (25 credits)

<table>
<thead>
<tr>
<th>Dept./No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus&amp; 101</td>
<td>Introduction to Business</td>
<td>5</td>
</tr>
<tr>
<td>Cmst&amp; 210</td>
<td>Interpersonal Communication or</td>
<td></td>
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<tr>
<td></td>
<td>Public Speaking or</td>
<td></td>
</tr>
<tr>
<td>Cmst&amp; 220</td>
<td>Small Group Communication</td>
<td>5</td>
</tr>
<tr>
<td>Engl&amp; 101</td>
<td>English Composition I</td>
<td>5</td>
</tr>
<tr>
<td>Engl 128</td>
<td>Research Writing: Science/Engineering/Business</td>
<td>5</td>
</tr>
<tr>
<td>Math 147</td>
<td>Finite Mathematics for Business and Social Science or</td>
<td></td>
</tr>
<tr>
<td>Math 108</td>
<td>Contemporary Math for Information Technology</td>
<td>5</td>
</tr>
</tbody>
</table>

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

### Core Requirements: (79-89 credits)

- **Keyboarding**: 30 wpm (5 minute typing test administered by Business Education department)
- **IT 110 or**: PC Support Tech I or
  - Achieve Microsoft MCDST Certification or
  - Achieve CompTIA A+ Certification | 0-5

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Green River Community College has made reasonable efforts to provide in this catalog (publication) information that is accurate at the time of publication. However, the college reserves the right to make appropriate changes in procedures, policies, calendars, requirements, programs, courses, and fees. When feasible, changes will be announced prior to their effective dates, but the college assumes no responsibility for giving any particular notice of any such changes. Nothing contained herein shall be construed to create any offer to contract or any contractual rights.
IT 115 or PC Support Tech II or
  Achieve CompTIA A+ Certification 0-5
IT 131 or Networking Infrastructure Fundamentals or
  IT 210 Managing Cisco Routers and Switches 5
IT 132 Structured Cabling 2
IT 140 Customer Service for IT Professionals 5
IT 190 Linux Administration 5
IT 211 Routing Theory and Implementation 5
IT 212 Advanced Routing and Switching 5
IT 213 Implementing Wide Area Networking 5
IT 216 Implementing Firewalls 5
IT 240 Manage MS Windows (Current Version)
  Network Environment 5
IT 272 Security Routers and Switches 5
IT 274 CCNA Exam Preparation 5
IT 285 Implementing and Securing Wireless Networks 5
IT 286 Implementing Voice Over IP (VOIP) 5
IT 291 Troubleshooting Networks 5

Practical Experience: Six credits from the following courses: 6
IT 171 IT Work Experience Seminar (1)
IT 177 Network Administration Work Experience (5)

* Keyboarding/typing skills may be demonstrated by passing a 5-minute typing test at 30 wpm with 5 or less errors using the proper typing techniques administered by the Business Education department.