IT Advanced Network Administration and Security
Certificate of Proficiency
40 Credits

The IT Advanced Network Administration and Security Technician certificate program is designed to prepare students for employment in a variety of information technology (IT) positions, such as network and computer systems administrators, information security analysts, or computer support specialists.

This certificate provides students with the opportunity to acquire a deep technical foundation and competency in network administration and security. Students will learn how to plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include: servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on. Students will learn how to analyze the security vulnerabilities of an organization's IT resources, and how to plan and implement security measures and practices for those resources.

Students must attain a cumulative GPA of at least 2.5.

Entry Requirements
To enter this program, students must have a technical associate's degree in an IT-related field from a regionally accredited institution, or two years IT work experience.

The following IT courses, or work experience in all of these areas, are strongly recommended before entering this program because they contain foundational knowledge upon which the upper-division IT courses is built:

- IT 102 Introduction to Programming
- IT 114 CompTIA A+ Certification Preparation
- IT 131 Networking Fundamentals
- IT 160 Windows Server Administration I
- IT 190 Linux Administration
- IT 210 Introduction to Routing and Switching
- IT 240 Windows Server Administration II

For more information about this degree please contact the Green River IT faculty at itdegrees@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements		
IT 310	Routing and Switching in the Enterprise	5
IT 335	Network Security Foundations and Policies	5
IT 340	Network Security and Firewalls	5
IT 344	Virtualization and Storage	5
IT 360	Introduction to Computer Forensics and Vulnerability Assessment	5
IT 385 **or**	Scripting for Windows and Linux **or**	
IT 390	Mobile Devices and Wireless Network-Enterprise	5
IT 410	Designing and Supporting Computer Networks	5
IT 460	Threat Analysis	5