

**GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE-TRANSFER
INFORMATION TECHNOLOGY-
SYSTEM AND SECURITY**



90 Credits

This degree program prepares students for entry into a Bachelor of Applied Science in Information Technology: Network Administration and Security or Information Technology: Software Development degree program at Green River College. In addition, this applied associate’s degree program prepares students for entry-level employment in a variety of IT positions, such as help desk technician, technical support specialist, network technician, and network or computer systems administrator.

Students in this degree program receive foundational training in a broad range of networking, systems administration, and software development, resulting in a balanced, well-rounded knowledge of information technology. In year 2, students complete four courses on key advanced networking topics (Option 1) or four courses in software development (Option 2). In addition to these specialized courses, students learn key interpersonal communication skills sought by employers.

Successful graduates of the program should be able to:

- Understand and demonstrate the functions of Information Technology services support.
- Understand and demonstrate procedures to install, configure, support, and troubleshoot Linux and Windows operating systems.
- Understand security principles, system and network vulnerabilities, and common mitigation practices.
- Understand and demonstrate basic programming and database constructs.
- Understand network infrastructure, logic, subnetting, and troubleshooting procedures.

Contact: itdegrees@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements (25 credits)		
Communications CMST& 210 or CMST& 220 or CMST& 230 or CMST 238	Ten credits of Communications courses chosen from: Interpersonal Communication or Public Speaking or Small Group Communication or Intercultural Communication	10
ENGL& 101 ENGL 128 or ENGL 126 or ENGL 127	English Composition I Research Writing: Science/Engineering/Business or Writing: Humanities or Writing: Social Sciences	5 5
MATH 108 or MATH& 107 or higher	Contemporary Math for Information Technology or Math in Society	5

NOTE: Students who wish to continue on to the BAS IT: Network Administration and Security should complete MATH 108 or MATH 147. Students who wish to continue on to the BAS IT: Software Development should complete MATH& 141 or MATH 147, or higher.

Core Requirements (25-32 credits)

IT 114	CompTIA A+ Certification Preparation or CompTIA A+ Certification	0 or 7
IT 131	Networking Fundamentals	5
IT 135	CompTIA Security+ Certification Preparation	5
IT 160	Windows Server Administration I	5
IT 190	Linux Administration I	5
IT 201	Database Fundamentals	5

Complete one of the options below:**Option 1: Network Administration and Security (32 credits)**

IT 210	Introduction to Routing and Switching	7
IT 224	Windows Automation and Scripting	5
IT 240	Windows Server Administration II	5
IT 244	CompTIA Cloud+ Certification Preparation	5
IT 245	Windows Server Administration III	5
IT 293	System Analysis and Troubleshooting	5

Option 2: Software Development (30 credits)

IT 102	Programming Fundamentals	5
IT 206	Front-End Web Development	5
IT 207	Web Programming with JavaScript	5
IT 219 or CS& 141	Programming I or Computer Science I–Java	5
IT 220 or CS 145	Software Development Methods or Java 2–Data Structures	5
Natural Science	Five credits of Natural Science List A or List B courses from AA-DTA degree	5

Electives: (1 or 3 OR 8 or 10* credits)

IT 175 or IT 178 or	Student Assistant or Information Technology Work Experience or Any course numbered 100 or higher may be used for Elective credits. Three elective credits are required.	0-3 0-3
------------------------	--	----------------

Notes:

* 1 or 3 elective credits are required if IT 114 is taken.

* 8 or 10 elective credits are only required if a CompTIA A+ certification is used in place of IT 114

This document is available in alternative formats to individuals with disabilities by contacting Disability Support Services at 253-833-9111, ext. 2631; TTY 253-288-3359; or by email at dss@greenriver.edu. Green River College is an equal opportunity educator and employer. Learn more at www.greenriver.edu/accessibility. The above referenced program of study information was current at the time of printing. The program may have been updated or changed to remain industry current. For program updates, please visit greenriver.edu or contact the program's listed faculty adviser.