



## Information Technology – Systems and Security Associate in Applied Science – Transfer Degree (AAS-T) 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](mailto:itdegrees@greenriver.edu)

<b>Dept./No.</b>	<b>Course Title</b>	<b>Credits</b>
<b>General Education Requirements (25 credits)</b>		
CMST& 210 <b>or</b> CMST& 220 <b>or</b> CMST& 230 <b>or</b> CMST 238	Interpersonal Communication <b>or</b> Public Speaking <b>or</b> Small Group Communication <b>or</b> Intercultural Communication	5
ENGL& 101	English Composition I	5
ENGL 128 <b>or</b> ENGL 126 <b>or</b> ENGL 127	Research Writing: Science/Engineering/Business <b>or</b> Writing: Humanities <b>or</b> Writing: Social Sciences	5
PHIL 111 <b>or</b> BUS& 101 <b>or</b>	Technology, Society, and Values <b>or</b> Introduction to Business <b>or</b> Any Natural Science List A or List B course from AA-DTA degree <b>or</b> Five credits from Natural Science List A or List B courses from AA-DTA degree <b>or</b> Any Humanities course from AA-DTA degree	5

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MATH 108 <b>or</b> MATH& 107 or higher	Math for Information Technology <b>or</b> Math in Society	5
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**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 (35-42 credits)**

IT 102	Programming Fundamentals	5
IT 114 <b>or</b>	CompTIA A+ Certification Preparation <b>or</b> CompTIA A+ Certification	0 or 7
IT 131	Networking Fundamentals	5
IT 135	CompTIA Security+ Certification Preparation	5
IT 141	Customer Service and Work Environment for IT Professionals	5
IT 160	Windows Server Administration I	5
IT 190	Linux Administration I	5
IT 201	Database Fundamentals	5

**Complete 20 or 22 credits from one of the two options below:** 20 or 22

**Option 1: Network Administration and Security (22 credits)**

IT 210	Introduction to Routing and Switching	7
IT 240	Windows Server Administration II	5
IT 245	Windows Server Administration III	5
IT 293	System Analysis and Troubleshooting	5

**Option 2: Software Development (20 credits)**

IT 206	Front-End Web Development	5
IT 207	Web Programming with JavaScript	5
IT 219 <b>or</b>	Programming I <b>or</b>	
CS& 141	Computer Science I–Java	5
IT 220 <b>or</b>	Programming 2 <b>or</b>	
CS 145	Java 2–Data Structures	5

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

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

**Notes:**

- \* 1-3 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

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