VALLEY COLLEGE

Student Catalog Addendum
Effective Date of Addendum: 5/18/2026
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Information Technology Security Administration (ITSA) Program Update

Valley College is pleased to announce the redesigned Information Technology Security Administration (ITSA) program, now open for enrollment for the start on May 18, 2026.

Previous networking prerequisites have been removed. Three foundational networking courses are now integrated into the curriculum, allowing students without prior experience to begin immediately. The program builds a strong technical foundation before advancing into security concepts, ensuring a clear, supportive learning path.

The catalog changes below will appear in the next revised version of the Student Catalog.

On Page 7, the Program Summary Chart will be revised to show that the Information Technology (IT) and Security Administration program is 39 credits, 780 total hours, 39 weeks, and 10 months. This reflects an increase in total credits and a longer program length than the previous version. The excerpt below represents a snippet of the updated Program Summary Chart.

	Campus and Program Name	Credential	Delivered	Semester Credits	Total Hrs.	Weeks	Months
M	Information Technology (IT) and Network Administration	Diploma	Online	30	600	30	8
M	Information Technology (IT) and Security Administration	Diploma	Online	39	780	39	10

Page 16: The Additional Admission Requirement for Information Technology (IT) and Security Administration will be removed.

Page 67: The Summary of Graduation Requirements / Credential Earned will be updated. This is just a snippet of the Graduation Chart. The credits will be updated to read 39 credits.

Program	Credentials	Minimum CGPA on a scale of 4.0	Earned Credits	Minimum Score on HESI EXIT	Attendance Percentage
Information Technology (IT) and Network Administration	Diploma	2.0	30	N/A	N/A
Information Technology (IT) and Security Administration	Diploma	2.0	39	N/A	N/A

Page 70 – Start Dates The program length will increase. The published program length for ITSA will be 10 months (39 weeks). Projected completion dates will be revised accordingly. The Start Date section for the ITSA program will display projected completion dates for both the former 8-month version and the updated 10-month program.

Start Date	ITSA 8 months Projected completion date	ITNS 10 months Projected completion dates
1/5/2026	8/13/2026	~
1/26/2026	9/3/2026	~
2/16/2026	9/24/2026	~
3/9/2026	10/15/2026	~
4/6/2026	11/5/2026	~
4/27/2026	11/25/2026	~
5/18/2026	~	3/4/2027
6/8/2026	~	4/1/2027
7/6/2026	~	4/22/2027
7/27/2026	~	5/13/2027
8/17/2026	~	6/3/2027
9/8/2026	~	6/24/2027
9/28/2026	~	7/22/2027
10/19/2026	~	8/12/2027
11/9/2026	~	9/2/2027
11/30/2026	~	9/23/2027

Pages 91-92: The program description and the Program/Student Learning Outcomes will be modified to reflect the changes in the course offerings.

Program Description

The Information Technology (IT) and Security Administration Diploma (ITSA) program is designed to equip graduates with the skills to create, administer and secure various types of computers, technological devices, and networks. Students will learn to analyze and evaluate the essential components of various types of hardware, devices, systems and supporting hardware. This program will enable students to analyze and evaluate the capabilities and needs of multiple types of operating systems, and the corresponding security needs of computer and network systems in both personal and business settings.

The ITSA program will also provide instruction in Information Security, Secure Wireless Networking, Network Application Support, Security Countermeasures, and Systems Analysis and Design. All courses will focus on protocols, problem solving, and principles of customer service. Further, students will also learn how to synthesize networking design with security protocols and procedures and will also be introduced to a series of concepts to proactively and reactively respond to internal and external hacking activities. Through an integrated curriculum that includes hands-on assignments/activities/projects and computer-mediated discussions, students will demonstrate mastery of the objectives, which will be measured by graded assignments, discussion responses, quizzes, tests, and rubric-based assessment of projects. The skills and concepts learned can transfer to the work environment. The ITSA program prepares students for entry-level positions in the Information Technology and Cybersecurity industry, ranging from IT positions to Help Desk to Security Specialist, and Systems Analysis and Design.

Program/Student Learning Outcomes

1. Explain and demonstrate how to set up and support computer networks and the methodology to troubleshoot and manage network security.
2. Execute troubleshooting techniques and processes that can be used to identify and solve internal and external security risks for individual users and/or organizations.
3. Conduct risk-management activities to proactively monitor, test, analyze, and evaluate security risks.
4. Evaluate the advantages, disadvantages and corresponding concerns and features of securing a wireless infrastructure.

5. Determine the most effective form of data acquisition, supporting resources and tools, when investigating a data security breach.
6. Demonstrate the ability to assess and analyze the specifics of an intrusion and how to execute a countermeasure to secure a network or device.
7. Explain and execute the steps associated with building a database along with a data recovery process and security services to protect the data.
8. Create a security model that accounts for strategic governance policies and processes, regulatory standards, and compliance requirements.
9. Develop the ability to explain and execute various techniques for measuring, managing, and planning system performance, while accounting equally for system security.
10. Describe and demonstrate the ability to read, write, and interpret basic code.
11. Develop the ability to write, run, debug, and secure a program.
12. Explain and demonstrate an understanding of network protocols, their function, and their role in secure network communications.
13. Explain routing characteristics, commands, and protocols and demonstrate the ability to complete as part of networking setup and ongoing support.
14. Demonstrate the ability to identify and assess the functions of an operating system and secure configuration of the operating system and hardware.

Page 92 The Program Outline will be revised to show the new courses that are added to the program. These three credits are in Information Technology and Network Administration. The credits will qualify for credit evaluation.

Program Outline

Course #	Course Name	Delivery Method	Contact Hrs.	Sem Credits
	Technical Courses			
CSY105	Introduction to Networking	Online	60.0	3.0
CSY115	Routing and Security Protocols	Online	60.0	3.0
CSY125	Operating Systems	Online	60.0	3.0
CSY145	Advanced Network & Security Fundamentals	Online	60.0	3.0
CSY215	Information Security	Online	60.0	3.0
CSY220	Secure Wireless Networks	Online	60.0	3.0
CSY320	Digital Forensics	Online	60.0	3.0
CSY340	Security Countermeasures	Online	60.0	3.0
CSY350	Database Management	Online	60.0	3.0
CSY360	Introduction to Cyber Crimes and Homeland Security	Online	60.0	3.0
CSY400	System Analysis and Design	Online	60.0	3.0
CSY421	Risk Management	Online	60.0	3.0
CSY430	Introduction to Scripting	Online	60.0	3.0
	Totals		780.0	39.0