

START COLLEGE

now!

dual credit pathway

High school juniors and seniors, take advantage of the Start College Now program to earn college credits before you graduate! We've provided a list of suggested courses to help you get started, but you're not limited to these options.


Feel free to explore and choose the courses that fit your interests and academic goals!

IT - CYBERSECURITY & NETWORK ADMINISTRATION

Pathway to a career in IT-Cybersecurity and credits toward the Southwest Tech IT-Cybersecurity & Network Administration program.

 All classes are available online unless denoted with an on campus only symbol.

FALL SEMESTER

COURSE NO.	COURSE TITLE	CREDITS	ACHIEVED
10-103-106	Beginning Microsoft Excel*	1	<input type="checkbox"/>
10-103-118	Intermediate Microsoft Excel*	1	<input type="checkbox"/>
10-151-101	Introduction to Security	1	<input type="checkbox"/>
10-150-134	Windows Support	1	<input type="checkbox"/>
 10-150-129	Introduction to Networks	2	<input type="checkbox"/>

SPRING SEMESTER

COURSE NO.	COURSE TITLE	CREDITS	ACHIEVED
10-809-199	Psychology of Human Relations	3	<input type="checkbox"/>
10-151-102	Cybersecurity Essentials †	2	<input type="checkbox"/>
10-151-104	Linux Administration and Security	3	<input type="checkbox"/>

AVAILABLE FALL & SPRING SEMESTERS

COURSE NO.	COURSE TITLE	CREDITS	ACHIEVED
10-801-136	English Composition 1	3	<input type="checkbox"/>
10-801-198	Speech	3	<input type="checkbox"/>

*Four Week Course

†Prerequisite: Introduction to Networks



Applications are due to your high school by **March 1** for fall semester classes and **October 1** for spring semester classes.

After applications are approved, Southwest Tech works with students regarding registration and enrollment.

For more information contact:



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IT-CYBERSECURITY & NETWORK ADMINISTRATION - COURSE DESCRIPTIONS

FALL SEMESTER

10-103-106 Beginning Microsoft Excel

This course is an introduction to Microsoft Excel. Students will learn the basic features to produce basic worksheets and charts. Other topics covered include formatting, formulas, built-in functions used to design functional worksheets to solve business problems. Basic experience with Windows is assumed.

10-103-118 Intermediate Microsoft Excel

This course introduces intermediate level features of Microsoft Excel. Students will learn to use relative & absolute reference formulas and functions, manage workbooks using multiple worksheets, create custom templates and use pivot tables effectively.

10-150-134 Introduction to Security

Learners will explore the importance of the field of cybersecurity, data confidentiality, and best practices for using the Internet and social media. The learner will have hands-on experience with cyber trends, threats and staying safe in cyberspace, protecting personal and company data. Learners will also explore career opportunities in the field of cybersecurity.

10-150-134 Windows Support

This course will introduce the learner to a Microsoft Windows client-server environment including automated administrative tasks using PowerShell, ADDS account management, introduction to group policy, Windows deployment and remote administration tasks. Learners will demonstrate acquired skills in a simulated enterprise environment.

10-150-129 Introduction to Networks

Learners will install, operate, configure, secure and troubleshoot networks. This is an entry-level networking course that learners will explore the fundamentals of LAN and WAN technologies including routing, switching and wireless. Learners will work directly with Cisco routers and switches configuring IPv4 and IPv6 by implementing switched networks using VLANs, Access Control Lists (ACLs) and routing technologies.



SPRING SEMESTER

10-809-199 Psychology of Human Relations

Explores the relationship between the general principles of psychology and our everyday lives. Students are given the opportunity to achieve a deepened sense of awareness of themselves and others. This understanding enables students to improve their relationship with others at work, in the family, and in society.

10-151-102 Cybersecurity Essentials

Learners will explore the characteristics and tactics used by cyber criminals in today's connected world. Learners will then delve into the technologies, products, and procedures cybersecurity professionals use to combat cybercrime. Hands-on labs exploring the topics of this course will be used throughout the course. Prerequisites: Introduction to Networks (10-150-129)

10-151-104 Linux Administration and Security

Learners will gain an understanding of the fundamentals of the Linux operating system, system architecture, installation, command line and file system. This course implements a "practice as you read" approach to learning. Each learner has hands-on access to a Linux virtual machine to practice, explore and trial Linux command line concepts while reading course content. This course is aligned to the LPI LPIC-1 101 certification exam.

AVAILABLE FALL AND SPRING SEMESTERS

10-801-136 English Composition 1

This course is designed for learners to develop knowledge and skills in all aspects of the writing process. Planning, organizing, writing, editing and revising are applied through a variety of activities. Students will analyze audience and purpose, use elements of research and format documents using standard guidelines. Individuals will develop critical reading skills through analysis of various written documents.

10-801-198 Speech

Students explore the fundamentals of effective oral presentations to small and large groups. Students demonstrate competency through topic selection, audience analysis, methods of organization, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process.

