

South Plains College
Course Syllabus: ITCC 2320
Semester: Fall 2026
Revised 8/19/2026

Department: Computer Information Systems

Discipline: Technical Education Division and Arts and Sciences Division

Course Number: ITCC 2320

Course Title: CCNA 3 - Enterprise Networking, Security, and Automation

Instructor Information:

Name:	Michael Slaughter
Office Location:	TC 211 (Levelland) / LBC 120D (Lubbock Center)
Email:	mslaughter@southplainscollege.edu
Office Phone:	(806) 716-2242
Schedule a Meeting	Book time with Slaughter, Michael H
Office Hours:	Check Blackboard under Instructor Information

Course Sections:

Section: ITCC 2320.271
Format: Hybrid
Campus: Lubbock CTC
Classroom: LBC 106
Days: Tuesday
Lecture: Online
Lab: 1:00 - 4:50 PM

Course Description:

Describes the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. Emphasizes network security concepts and introduces network virtualization and automation.

Prerequisite:

ITCC 1314 CCNA1: Introduction to Networks, ITCC 1344 CCNA2 Switching, Routing, and Wireless Essentials

Credit: 3 Lecture: 2 Lab: 4

Textbook:

We will be using Cisco Network Academy Learning Management System and content in this course. The primary textbook is included as part of this solution and is free to the student. You will get access during the first week of class.

Recommended textbook if you want a physical textbook: [CCNA 200-301 Official Cert Guide Library by Wendel Odom](#) (The eBook for this resource is free through the SPC library. Links will be provided during the first week of class.)

Supplies:

- Reliable Internet Connection
- Computer with Windows OS (Recommended) or Mac OS (Not a Chromebook)
- Packet Tracer (latest edition, free through Cisco Network Academy)
- Google Chrome or Mozilla Firefox
- Headphones (bring to in-class labs)

Student Learning Outcomes:

Configure advanced routing and switching protocols; resolve common issues with routing and switching protocols; identify threats and enhance network security; implement IPv4 Access Control Lists (ACLs); configure Network Address Translation (NAT) services; explain virtualization, software-defined networking, and automation.

Student Learning Outcomes Assessment:

- Required reading assignments
- Required lecture videos
- Supplemental videos and/or reading
- Hands-on labs using Packet Tracer and other hardware/software
- Quizzes
- In-class hands-on labs
- Exams
- Comprehensive Final Hands-On Skills Exam
- Comprehensive Final Exam

Course Evaluation:

Category	Percentage
Hands-On Labs (Packet Tracer and In-Class)	30%
Module Exams	30%
Final (Hands-On and Exam)	40%

Attendance Policy:

Students are expected to attend all classes to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus.

Class attendance, even online, is extremely important to meet the objectives of this course. A student is responsible for initiating his or her own withdrawal if that becomes necessary. If a student is administratively withdrawn from the class by the professor, the grade appearing on the transcript will be at the professor's discretion, an 'X' or 'F'.

Administrative withdrawal may occur if the student has missed six (6) class periods for MWF classes, four (4) class periods for MW/TR classes, two (2) class periods for flex (hybrid) classes or if the professor decides absences are excessive due to non-participation or incomplete coursework. When enrolled in a flex/online course, students must log in to Blackboard two times per week and complete the assigned course work. Two weeks of non-participation in a flex/online course may also result in an administrative drop.

See the General Catalog Attendance Policy for additional information.

Plagiarism and Cheating:

Students are expected to do their own work on all projects, quizzes, assignments, examinations, and papers. Failure to comply with this policy will result in an F for the assignment and can result in an F for the course if circumstances warrant.

Plagiarism violations include, but are not limited to, the following:

- Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill.
- Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation.

- Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them.
- Missing in-text citations.

Cheating violations include, but are not limited to, the following:

- Obtaining an examination by stealing or collusion.
- Discovering the content of an examination before it is given.
- Using an unauthorized source of information (notes, textbooks, text messaging, internet, apps) during an examination, quiz, or homework assignment.
- Entering an office or building to obtain an unfair advantage.
- Taking an examination for another.
- Altering grade records.
- Copying another's work during an examination or on a homework assignment.
- Rewriting another student's work in Peer Editing so that the writing is no longer the original student's work.
- Taking pictures of a test, test answers, or someone else's paper.

Withdrawal Policy:

Students that withdraw from the course will receive a grade of W. It is the student's responsibility to withdraw from this course. Otherwise, students will be assigned their earned letter grade at the end of the semester. Course averages will be updated regularly throughout the semester to aid students in their decision to drop the course or not.

- Please check the SPC academic calendar for the last day to withdraw/drop the course here: <https://www.southplainscollege.edu/academiccalendar/>
- For more information regarding drops/withdrawals, please visit: <https://www.southplainscollege.edu/admission-aid/apply/schedulechanges.php>

Student-Owned Computer Equipment:

Students may choose to use their own computer equipment to complete the assigned coursework. SPC provides Microsoft Office to students for installation and use on their personal computers. It is the sole responsibility of the student to ensure their computer system meets the minimum requirements for all required or suggested software. It is also the sole responsibility of the student to ensure their computer system is in working order, free of malware, and sufficient to complete the assigned coursework. Computer or system malfunction or failure is not an excuse for late coursework. The instructor is not liable for the student's computer maintenance and cannot troubleshoot or repair issues on student-owned computers. If the student needs computer assistance, they can contact the SPC student helpdesk.

SPC Help Desk

- Telephone Number: Help Desk at (806) 716-2600
- E-mail: helpdesk@southplainscollege.edu
- Location: Library Lobby - Levelland
- Normal Hours: Monday - Friday: 8:00 a.m. - 4:00 p.m.

SPC Tutors:

Tutoring is FREE for all currently enrolled students. Make an appointment or drop-in for help at any SPC location or online! Visit the link below to learn more about how to book an appointment, view the tutoring schedule, get to know the tutors, and view tutoring locations.

<http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>

Student Code of Conduct Policy:

Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

For more information regarding official South Plains College statements about intellectual exchange, disabilities, non-discrimination, Title IX pregnancy accommodations, and campus concealed carry, please visit: <https://www.southplainscollege.edu/syllabusstatements/>

IMPORTANT INFORMATION BELOW

Communication:

All communication for this class will be conducted through SPC email. All students will be required to check their SPC student email accounts regularly for course updates and announcements. All replies to emails will be sent to the student's SPC email address. Please include your name, course name, and section number in all email communication.

The instructor's SPC office number is included at the top of this syllabus. If desired, the student may schedule a meeting with the instructor via the Calendly link posted at the top of this syllabus and in Blackboard. Online meetings may be conducted via Teams, Collaborate, or Zoom.

Course Rigor:

This course will include multiple assignments, hands-on labs, quizzes, and exams. Please be aware that to succeed in this course you must dedicate several hours each week to reading, studying, and completing the assigned coursework.

Reading Assignments, Online Lectures, and Supplemental Material:

This course will include multiple reading assignments, multiple online lectures, and some supplemental material. The student is expected to go through all this material each week. It will greatly benefit the student to revisit previous weeks reading and lectures to help retain information. Students are encouraged to use good study habits to learn and memorize the necessary information.

Coursework:

Each week's coursework will be available through Blackboard and/or Cisco Networking Academy. Course work is organized into weekly folders. Each weekly folder will contain links to the reading, links to the lectures, links to submit hands-on labs, and links to submit quizzes and/or exams. The course calendar outlining due dates and availability times is available on Blackboard. No late work is

accepted for any reason! You are expected to complete all homework assignments within the due dates indicated. Missing homework assignments may result in an administrative drop.

It is important for you to start coursework early in the week. Do not wait until the day it is due to start the coursework or report problems. If you report problems on the due date of an assignment, the instructor is not obligated to re-open any assignments for you. Start your homework early in the week and complete it with time to spare!

Many hands-on labs will require you to install and utilize Packet Tracer. Packet Tracer can be downloaded and installed for free from Cisco Networking Academy. Check Blackboard for installation instructions.

Module Exams:

Module exams will be available in Cisco Networking Academy and will cover material from multiple modules. These exams may include multiple-choice/answer, matching, essay, and other question types. Students should complete all coursework in the designated modules and study the material in those modules before taking the module exam. Exams will be open for several days and must be completed by the due date indicated. No late exams will be given.

Final Exam:

This will include a multiple choice exam delivered through Cisco Networking Academy and a lab (hands-on/skills) exam. The written exam portion may include multiple-choice/answer, matching, essay, and other question types. The lab exam portion may include simulated lab scenarios to complete or in-class lab scenarios to complete.

Gradebook:

Grades will be available in Blackboard.

Counseling:

If at any point in the semester you find yourself having trouble with stress or feel depressed please stop in and see a counselor. Counseling services are available at all campuses. The number for the counseling office is 806-716-2366. Below is a link to SPC's personal counseling services.

<https://www.southplainscollege.edu/health/mentalhealthresources.php>

Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.