



ITNW 1354.088TR: Implement/Administer Servers

Course Syllabus: Fall 2026

“Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed.”

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Weekday	Office Hours
Monday	By appointment via Microsoft Teams
Tuesday	By appointment via Microsoft Teams
Wednesday	By appointment via Microsoft Teams
Thursday	By appointment via Microsoft Teams
Friday	By appointment via Microsoft Teams

This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities.

Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

Course Description:

This course covers implementing and administering servers in on-premises, cloud, and hybrid environments. Students work with Active Directory Domain Services (AD DS), virtualization, networking, storage, and security policies, including integration with Azure AD and Azure AD DS. The course prepares students for server management tasks in the field and maps to the Microsoft AZ-800 exam, Administering Windows Server Hybrid Core Infrastructure.

Prerequisite(s): Basic computer and internet skills.

Student Learning Outcomes:

1. **Manage Active Directory Services:** Integrate AD DS with Azure AD and Azure AD DS, and manage organizational units, computer accounts, and domain controllers.
2. **Implement and Manage User Accounts and Groups:** Create and manage user accounts, enforce security policies, and implement group strategies in on-premises and hybrid environments.
3. **Configure and Manage FSMO Roles and Global Catalog:** Transfer and troubleshoot operations master roles and manage Global Catalog servers.
4. **Deploy and Manage Group Policies:** Create and link Group Policy Objects (GPOs), manage security policies, and deploy software using GPOs.
5. **Implement and Administer Networking Services:** Configure DNS, DHCP, and IP addressing in on-premises and hybrid networks.
6. **Manage Storage and File Services:** Implement and manage Azure File Sync, Windows Server file shares,

and storage spaces.

7. **Virtualization and Remote Access:** Deploy and manage virtual machines, containers, and remote access solutions, including Azure Arc and Hyper-V.
8. **Troubleshoot and Maintain Server Infrastructure:** Diagnose and resolve issues with server roles, services, and network configurations.

Evaluation/Grading Policy:

The breakdown of the course requirements is as follows:

%	Requirement
10%	Discussion Participation
40%	Labs
30%	Tests
20%	Comprehensive Final Exam

Semester grades will be earned as follows

Percentage	Letter Grade
90% and above	A
80% to 89%	B
70% to 79%	C
60% to 69%	D
59.9% and below	F

Discussion Participation, 10 percent. A discussion prompt opens with each weekly module. Full credit requires an original post and at least one substantive reply to a classmate. A reply that only agrees or restates the prompt does not earn credit.

Labs, 40 percent. Labs are completed in the CertMaster lab environment and scores transfer to Blackboard. You may retake a lab as many times as you want before its due date, and the highest attempt on or before that date is the score recorded.

Tests, 30 percent. Section tests open in Blackboard and cover the modules assigned since the previous test. Each test is timed, opens once, and must be finished in a single sitting.

Comprehensive Final Exam, 20 percent. The final exam covers the whole course and is available during the college final exam period, Friday, December 4 through Thursday, December 10, 2026. The final cannot be retaken.

Late work. Work submitted after the due date loses 10 percent per day for up to five days, after which it is recorded as a zero. If something is going to keep you from submitting, email me before the due date and we will work it out.

Grade posting. Grades appear in Blackboard within one week of the due date. Check them regularly and bring any question to me within one week of posting.

Required Instructional Materials:

Hybrid Server Pro I: Core, published by CompTIA. One purchase covers the courseware, the video and reading content, and the 105 hands-on lab simulations this course runs on. You need working access no later than the end of Week 1.

Publisher: CompTIA

ISBN Number: 9781935080848

If the bookstore lists a different name. CompTIA acquired TestOut, and this product is still sold under its former name, TestOut Hybrid Server Pro: Core, with the same ISBN. It is the same thing. The lab platform that used to be called TestOut LabSim is now called CertMaster, and you will reach the course at <https://platform.comptia.org>.

If you are waiting on financial aid or a bookstore order. Do not fall behind while you wait. A temporary access key for this class is posted in the Start Here module in Blackboard at the beginning of the semester. Redeem it at <https://platform.comptia.org> to open the courseware right away. The temporary key expires two weeks after the first class day, so complete your purchase before it does or you will lose access mid-module.

Optional Instructional Materials:

Microsoft Learn provides free training paths for Windows Server administration, Active Directory, and Azure at <https://learn.microsoft.com>. These are useful for extra practice and cost nothing. No additional purchase is required for this course.

Minimum Technology Requirements:

- Windows 10 or Windows 11, or macOS 12 or later
- Administrative rights on the computer you use for coursework
- 8 GB of RAM at a minimum, 16 GB recommended for running virtual machines
- 50 GB of free disk space for virtual machines and lab files
- Broadband internet, 10 Mbps download or better
- A current version of Chrome, Edge, or Firefox
- Microsoft Teams, which is free with your NTCC account
- A webcam and microphone for virtual office hours
- Your NTCC email account and Blackboard access

Required Computer Literacy Skills:

- Install, update, and uninstall software on your own computer
- Create, move, rename, and compress files, and find them again
- Log in to Blackboard, upload a file, and take a timed test
- Send and receive email with attachments through Outlook
- Join and take part in a Microsoft Teams meeting
- Type well enough to finish a timed test without running short
- Command line experience helps but is not assumed. PowerShell is taught in the course.

Course Structure and Overview:

This section is fully online and asynchronous. There are no required meeting times and no campus attendance.

Each weekly module opens in Blackboard on Monday at 12:00 a.m. and closes the following Sunday at 11:59 p.m. Central Time. A module contains reading and video from the CertMaster courseware, one or more hands-on labs in the CertMaster lab environment, a discussion prompt, and in most weeks a section test.

Plan on eight to twelve hours per week. Work through the module in the order it is laid out. The labs build on the reading and the tests draw from both, so skipping ahead to the lab tends to cost more time than it saves.

Communications:

Email is the official channel for this course. Use your NTCC email account and check it daily. I answer email within 24 hours on weekdays. Email sent over a weekend gets a reply by Monday evening.

Blackboard announcements carry schedule changes, exam reminders, and anything that affects the whole class. Turn on Blackboard notifications so those reach you.

Microsoft Teams is where office hours happen. Office hours are by appointment. Send me two or three times that work for you and I will return a Teams meeting invitation.

Put the course and section in your subject line, for example "ITNW 1354.088TR question about the Week 4 lab." I teach more than one section and it speeds up my reply.

Institutional/Course Policy:

Engagement. This course has no seat time, so engagement is measured by submitted work. You count as engaged in a week when you submit at least one graded item from that week's module. Two consecutive weeks with nothing submitted may result in your being reported to the college as not attending, which can affect financial aid. Contact me before it gets to that point.

Withdrawal. The last day to withdraw from a 16-week Fall 2026 course with a grade of W is Tuesday, November 17, 2026. Withdrawing is the student's responsibility and is done through Student Services, not by telling me. I do not drop students for inactivity.

Academic integrity. Labs and tests are individual work. Discussing concepts with classmates is encouraged. Sharing lab files, screenshots of test questions, or answers is not. CertMaster records lab activity per account.

Use of AI in this course. Under the NTCC statement below, you may use AI tools to explain a concept, review your own writing, or help you debug a configuration you built yourself. You may not submit AI output as your own work, use AI during a test, or use it to produce a lab you did not perform. When an AI tool contributed to something you turn in, name the tool and say what it did.

Netiquette. Discussion posts are part of a professional record. Write in complete sentences, take issue with the argument rather than the person, and use the tone you would use in a workplace channel.

Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements:

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (<http://www.ntcc.edu/>) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

Statement Regarding the Use of Artificial Intelligence (AI) Technology:

Employees and students shall be permitted to explore artificial intelligence (AI) and implement its use in and out of the classroom in accordance with policy and administrative regulations. The use of AI shall only be as a support tool to enhance student outcomes or as necessary to engage in research and shall never take the place of faculty,

staff, and student decision-making. Any use of AI must comply with law, policy, and administrative regulations relating to student and employee privacy and data security. A student shall only use AI tools with faculty permission and shall be expected to produce original work and properly credit sources, including AI tools used in creating the work.

Example:

APA (7th edition)

OpenAI. (2026). ChatGPT (March 25 version) [Large language model]. <https://chat.openai.com/>

MLA (9th edition)

OpenAI. ChatGPT. 25 Mar. 2026, <https://chat.openai.com/>.

Employees or students who use AI tools to deceptively harm, bully, or harass others shall be disciplined in accordance with policy. [See DH, DIA series, FFD series, FFE, FLB, and the FM series] AI Use by Employees and Students. Northeast Texas Community College 225500 TECHNOLOGY RESOURCES CRB ARTIFICIAL INTELLIGENCE (LOCAL) DATE ISSUED: 12/8/2025 1 of 1 UPDATE 50 CRB(LOCAL)-AJC Adopted: 12/16/2025

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodation for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodation as required to afford equal educational opportunity. It is the student's responsibility to request accommodation. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Tentative Course Schedule:

Dates follow the NTCC 2026-2027 Academic Calendar for the 16-week Fall 2026 session. Topics may shift; any change is announced in Blackboard.

Week	Dates	Topic and Key Dates
1	Aug 24 to Aug 30	Introduction to Active Directory Domain Services. Late registration ends Friday, August 28 at noon.
2	Aug 31 to Sep 6	Managing Organizational Units and Computer Accounts.
3	Sep 7 to Sep 13	Deploying and Managing Domain Controllers. Labor Day holiday Monday, September 7. Census day Wednesday, September 9.
4	Sep 14 to Sep 20	Implementing User Accounts and Security Policies.
5	Sep 21 to Sep 27	Group Policy Objects and Software Deployment.
6	Sep 28 to Oct 4	Virtualization with Hyper-V and Azure, Part 1.
7	Oct 5 to Oct 11	Virtualization with Hyper-V and Azure, Part 2.
8	Oct 12 to Oct 18	Networking Services: DNS and DHCP, Part 1.
9	Oct 19 to Oct 25	Networking Services: DNS and DHCP, Part 2.
10	Oct 26 to Nov 1	Managing Storage and File Services.
11	Nov 2 to Nov 8	Advanced Networking and Remote Access.
12	Nov 9 to Nov 15	FSMO Roles and Global Catalog Management.
13	Nov 16 to Nov 22	Security Policies and Troubleshooting. Last day to withdraw with a grade of W is Tuesday, November 17.
14	Nov 23 to Nov 29	Course Review and Final Lab. Thanksgiving Break Wednesday through Friday, November 25 to 27.
15	Nov 30 to Dec 3	Final Exam Preparation. Last class day Thursday, December 3.
Finals	Dec 4 to Dec 10	Comprehensive Final Exam, open during the college final exam period.