This course teaches students, through lectures, discussions, demonstrations, textbook exercises, and classroom labs, the skills and knowledge necessary to install, configure, administer, and support the primary services for network servers, with instruction and labs focusing specifically on the Microsoft Windows Server operating system.

**Prerequisites: IT 351**  
**Credits: 4**

**Students will be able to . . .**

- Select an appropriate Windows Server Edition
- Construct a correct inventory hardware
- Apply automation of server deployment competently.
- Deploy DHCP and DNS servers successfully.
- Appraise Active Directory (LDAP) functions.

**Assessments**

- Rubric-based assignments, projects, and/or exams.
<table>
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<tr>
<th>Task</th>
<th>Assessment Method</th>
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<tr>
<td>Design an Active Directory Infrastructure.</td>
<td>Rubric-based assignments, projects, and/or exams.</td>
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<td>Deploy Active Directory Domain Services correctly.</td>
<td>Rubric-based assignments, projects, and/or exams.</td>
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<td>Discriminate correct methods for deploying applications using Terminal Services and Virtualization.</td>
<td>Rubric-based assignments, projects, and/or exams.</td>
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<td>Deploy file servers as well as print and fax servers successfully.</td>
<td>Rubric-based assignments, projects, and/or exams.</td>
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<td>Assess storage requirements and storage technologies, including explaining Storage Area Networks and planning for storage fault tolerance.</td>
<td>Rubric-based assignments, projects, and/or exams.</td>
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<tr>
<td>Construct plans to back up data using shadow copies, offline files and disk redundancy as well as correctly increase application availability, plan for application resilience, use hardware redundancy, failover clustering and network load balancing.</td>
<td>Rubric-based assignments, projects, and/or exams.</td>
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<tr>
<td>Demonstrate how to secure servers physically and logically.</td>
<td>Rubric-based assignments, projects, and/or exams.</td>
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<tr>
<td>Demonstrate how to secure network access, including local and remote using Public Key Infrastructure and certificates.</td>
<td>Rubric-based assignments, projects, and/or exams.</td>
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<tr>
<td>Apply remote administration, delegate administration tasks and backup server data.</td>
<td>Rubric-based assignments, projects, and/or exams.</td>
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*Specific course faculty and materials will vary by quarter. Current information can be found on my.cwu.edu. ITAM classes are often offered in online, hybrid or traditional formats. Visit my.cwu.edu for more details or contact our office at ITAMInfo@cwu.edu.*
Academic Integrity is a standard set for this course. Students are expected to complete all of their coursework and assignments using their original words and ideas and will properly cite the words and ideas of others.

Students are also expected to be honest in their interactions with the instructor. A student found to have not upheld these expectations is subject to failing this course and shall be subject to disciplinary action or sanction. The University catalog defines the term “academic dishonesty” in all its forms including, but not limited to:

- cheating on tests;
- copying from another student’s test paper;
- using materials during a test not authorized by the person giving the test;
- collaboration with any other person during a test without authority;
- knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or in part the contents of an un-administered test or information about an un-administered test; bribing any other person to obtain an un-administered test or information about an un-administered test; substitution for another student or permitting any other person to substitute for oneself to take a test; plagiarism” which shall mean the appropriation of any other person’s work and the unacknowledged incorporation of that work in one’s own work offered for credit;
- “Collusion” which shall mean the unauthorized collaboration with any other person in preparing work offered for credit.

Course requirements will not be waived but reasonable accommodations will be developed to help you meet the requirements. You are expected to work with the instructor and the CWU Disability Support Specialist to develop and implement a reasonable Accommodation Plan. For more information please visit: [www.cwu.edu/disability-support/](http://www.cwu.edu/disability-support/)

The TurnItIn feature of Canvas helps students learn to use sources and citations appropriately. TurnItIn matches the material in student papers against material on the Internet and in our database of CWU papers. Representing the words or ideas of someone else as your own is a violation of the CWU Student Conduct Code and a serious infraction in this course. If you have questions about appropriate ways to include the words or ideas of other people in your papers, contact the instructor. Papers submitted to TurnItIn are added to the database of papers. Your instructor has the option of what papers and assignments may be submitted and/or randomly submitted to TurnItIn.

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