



## Computer Information Systems

### Advisory Committee

Fall 2024

**Meeting Date:** October 28, 2024

**Time:** 5:30pm

**Location:** Zoom

### Agenda

- I. **Welcome & Introductions** – 5 minutes
- II. **Program Update** – 10 minutes
  - a. Fall 2024 Enrollment
    - College up 7.7% over Spring 2023
    - CIS down 33 credit hours (-4.7%) over Spring 2023
  - b. Program Facilities – Conference Center & A1300
  - c. Changes Based on Spring 2024 Advisory Feedback
    - Virtual Lab Environment
    - Increased Face-to-face course offerings
  - d. Department Student Success (A, B, C's)
    - Improvement: Fall 2023: 63.1% vs. Spring 2024: 72.2%
    - Spring 2022-Spring 2024 change: -.03%
- III. **Employer Discussion & Feedback** – 45 minutes
  - a. Industry Update - *Committee*
    - Trends – What major trends and emerging technologies?
    - Hiring – In-demand positions and credentials required?
    - Skills – Such as: Programming Languages? Soft skills? Cybersecurity?
    - Industry Shifts – CIS industry in next 3-5 years?
    - Development – How do you upskill or reskill current employees?
    - Artificial Intelligence – Applications? Needs? Impacts? Opportunities?
  - b. Networking Server Courses Feedback - *Gullman*
    - CIS 182 and CIS 282 (Currently Windows Focused) – *curriculum included in agenda*
    - We are reviewing the learning outcomes and would like feedback on the focus and content of these courses to generate a curriculum proposal for the spring 2024 advisory meeting.
    - Topics to consider: On-premises and cloud servers. Windows, Linux, etc. Azure, AWS, other.
  - c. Open Discussion
- IV. **Next Meeting Date & Focus**
  - Monday, April 14, 2025 – Virtual Format
  - Focus: Server courses curriculum, local HS pathways into CIS program



Main · Office of Instruction · Computer Information Systems

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# Windows Server Fundamentals I

## CIS-182

FA24 2024-2025 Section 3001 3.000 Credits 08/19/2024 to 12/13/2024 Modified 08/12/2024

### Section Meeting Information

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Classroom A1364 with a synchronous Microsoft Teams Meeting Lecture on Mondays and Wednesdays from 11:00am to 12:15pm

Students may choose to attend the Teams meeting for content clarification and to ask questions, but attendance will not be required. I will have on-campus office hours, however students can request appointments for other times.

### Faculty Contact Information

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INSTRUCTOR: Paul Gullman

Department Administrative Assistant (815)-825-9453 – leave a message

Email: [pgullman@kish.edu](mailto:pgullman@kish.edu)

mobile 630-584-4199

**Office Location:** Room A1371

**On-Campus Office Hours:**

Monday and Wednesday 9:30am - 11am

**Virtual-Office Hours:**

Tuesday and Thursday 4pm - 5pm

Fridays - by appointment

# Course Description

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The first class in a series of classes to prepare students for Microsoft Server certification. Through lecture and hands-on lab work students cover materials required to pass the first test in the Microsoft Server series of exams. Class will be structured based upon the current released version of Windows Server. Three hours lecture/discussion a week.

## Requisites

None

# Required Student Materials

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## TestOut Hybrid Server Pro: Core (included in tuition)

**Publisher:** CompTIA

**ISBN:** 978-1-935080-84-8

# Student Learning Outcomes

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1. Install and configure servers; configure local storage (*Critical-Knowledge/Skills-Skills Application*)
2. Configure server roles and features; file and share access; print and document services; Remote management (*Critical-Knowledge/Skills-Skills Application*)
3. Configure Hyper-V; VM Storage; VM Networks (*Critical-Knowledge/Skills-Skills Application*)
4. Deploy and configure core network services; IPv4 and IPv6; DHCP; DNS (*Critical-Knowledge/Skills-Skills Application*)
5. Install and administer Active Directory; Users and Computers; AD Groups and Organizational Units (*Critical-Knowledge/Skills-Skills Application*)
6. Create and manage Group Policies; Objects; Security Policies; Application restriction policies; Windows Firewall (*Critical-Knowledge/Skills-Skills Application*)
7. Using skills obtained complete a hands-on project demonstrating skills learned (*Creative-Synthesis-Construction*)

# Topics Covered

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Installation and configuration of Windows Server

Installation of server roles

File and share access

Print management
Remote system management
DHCP
DNS
Active Directory
Group Policy
Windows Server Firewall

## Tentative Schedule

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### On-line Lectures via Microsoft Teams Meetings

When	Topic	Notes
Week #1 8/19, 8/21	Classroom with Microsoft Teams Lecture	Introduction to Windows Server 2019 and KishLab.com virtual lab environment
Week #2 8/26, 8/28	Classroom with Microsoft Teams Lecture	Windows Server Installation and virtual lab demonstration, introduction to Azure Admin Center interface
Week #3 9/2 off, 9/4	Classroom with Microsoft Teams Lecture	Server 2019 Configuration & Management
Week #4 9/9, 9/11	Classroom with Microsoft Teams Lecture	Networking and IP addressing  <b>Quiz #1 scheduled</b>
Week #5 9/16, 9/18	Classroom with Microsoft Teams Lecture	DNS - domain name services implementation
Week #6 9/23, 9/25	Classroom with Microsoft Teams Lecture	Hyper-V Virtualization, Azure VM's
Week #7 9/30, 10/2	Classroom with Microsoft Teams Lecture	Active Directory on-premise and Azure AD



# Windows Server II Networking

## CIS-282

SP24 2023-2024 Section 5001 3.00 Credits 01/17/2024 to 05/17/2024 Modified 03/01/2024

### Section Meeting Information

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### Course Description

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The second class in a series of classes to prepare students for Microsoft Server certification. Through lecture and hands-on lab work students cover materials required to pass the second test in the Microsoft Server series of exams. Class will be structured based upon the current released version of Windows Server. Three hours lecture/discussion/guided lab a week.

#### Requisites

CIS-182

### Required Student Materials

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## CIS 282 Windows Server Pro: Manage & Administer Access Code

**Publisher:** Testout

**ISBN:** 978 1 935080 50 3

Requires Access Code

### Student Learning Outcomes

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1. Deploy, manage and maintain servers; Implement patch management (*Critical-Knowledge/Skills-Skills Application*)
2. Configure File and Print Services; DFS; FRSM; File and disk encryption; Advanced audit policies (*Critical-Knowledge/Skills-Skills Application*)

3. Configure network services and access; DNS zones; DNS records; VPN and routing; Direct Access (*Critical-Knowledge/Skills-Skills Application*)
4. Configure a Network Policy Server (NPS) Infrastructure; NAP (*Critical-Knowledge/Skills-Skills Application*)
5. Configure and manage Active Directory; Service authentication (*Critical-Knowledge/Skills-Skills Application*)
6. Configure and manage Group Policy; processing; settings; objects; preferences (*Critical-Knowledge/Skills-Skills Application*)
7. Using concepts and skills learned during the semester, complete a group project and participate in a demonstration to instructor (*Creative Synthesis-Construction*)
8. Using Concepts and skills learned during the semester, complete written documentation required for group project (*Communicative-Support-Support*)

## 🎯 Topics Covered

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Active Directories
Group Policies
File Services
DNS
Remote Access Management
Server Management

## ✓ Student Grading, Assessment, and Evaluation

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### Breakdown

Grade	Range	Notes
		<p>Grade reports will not be mailed. Please check myKish_Kishwaukee College Self-Service Student Planning_Academics_Grades.</p> <p>To qualify towards a degree/certificate overall grade point average of 2.000 is required in all required and elective course work applicable to the specific degree/certificate.</p>

## \* Course Policies

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### Attendance Policy