

Course Outcomes Guide

Course Title: IST 262 MCSA/E: Windows Network Infrastructure

Course Instructor(s): Gurindersingh J. Khalsa

Programs: IST Networking Track I, IST Networking Track II

Expected Learning Outcomes

Think critically

Review and practice computer and network etiquette and ethics found in working environments

Administer a network infrastructure

Troubleshoot problems in an existing network environment

Evaluate and implement new and future technologies into current system

Install, configure, use and manage TCP/IP on a working network

Evaluate best practices in security concepts to maintain confidentiality, integrity and availability of computer systems

Assessment (How do students demonstrate achievement of these outcomes?)

Satisfactory scores on exams and projects.

Satisfactory scores on exams modeled after industry standard certification exams. Models are developed from the following certification exams: Microsoft MCP, Microsoft MCSA.

Labs

Validation (What methods are used to validate your assessment?)

1. Approval of Information Systems Technology Advisory Council
2. Tests comparable to Industry Standard Certification Exams.
3. Faculty Review
4. Microsoft curriculum content

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Results (What do the data show?)

Microsoft curriculum content and certification requirements are changing

Follow-up (How have you used the data to improve student learning?)

Update course content

Utilizing more virtualization for learning.

Budget Justification

(What resources are necessary to improve student learning?)

PC lab hardware; switches, routers, projection unit, cabling, tools, printers, PCs, servers

Security hardware and software

Simulation software, Virtual PC licenses.

Testing Software.

Course Management software

Classroom Management system software