

## Course Outcomes Guide

**Course Title: IST 261 MCSA/E: Windows Server**

**Course Instructor(s): Staff**

**Programs: IST Networking Track I, IST Networking Track II, Forensics**

### 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

### **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