

## Course Outcomes Guide

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

**Course Instructor(s): Seth Crider**

**Programs:** IST Network Administration, Information Systems Technology  
IST Computer Support Specialist, Information Systems Technology  
IST Computer Forensic, Information Systems Technology  
CYB Cybersecurity

### Expected Learning Outcomes

- Think critically
- Communicate effectively with both verbal and written forms
- Perform and share cooperatively in team projects
- Review and practice computer and network etiquette and ethics found in working environments
- Administer and troubleshoot a network infrastructure
- 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 assigned labs that are provided as part of the Microsoft Official Academic Curriculum.

Participation in class activities, to include lab demos, online labs, and class discussions.

Completion of assigned Microsoft Exam 70-646 Certification mock tests.

Design customized NetLabs virtual server environment. Develop labs utilize custom pods.

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

1. Approval of Information Systems Technology Advisory Council

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2. Test questions provided by Microsoft Subject Experts
3. Faculty Review
4. Labs written by Microsoft Subject Experts

### **Results** (What do the data show?)

Students that successfully completed all required coursework, received a passing grade in the class.

Completing the Microsoft Official Academic Labs prepare the students for entry level employment by giving them hands-on experience.

Using the Microsoft Exam 70-646 Certification mock tests are helpful in passing the certification exam.

### **Results** (What do the data show?)

Since the 2011 fall semester a total of 62 students have taken IST261 Windows Server I .

56 (90%) of the students completed the course and 55 (90%) were successful.

The grade distribution is as follows:

A	45	73%
B	8	13%
C	2	3%
D	0	0%
F	6	10%

There was 1 audit and 0 withdrew from the course.

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

90% of students completing course requirements successfully complete coursework

Incorporated additional virtual Windows Server hands-on labs into curriculum

### **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.

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Testing Software.

Course Management software

Classroom Management system software