

# Program Plans: Outcomes and Assessment Methods



## Program (SSB) - MSIS - Information Assurance (GCRT) - 457

**Program Mission Statement:** The MSTM program was established in 1995 with the mission “To become a nationally prominent, exemplary center for telecommunications education, research and outreach”. In 2001 the program began adopting an Information Assurance curricula that led to the program being certified by the Department of Homeland Security as a Center for Academic Excellence in Information Assurance (CAE-IA) in both education and research. OSU is the first school in the nation to hold this prestigious designation and has stayed continuously certified since that inception. The program has just underwent a formal change in name to MSIA – Masters of Science in Information Assurance to properly reflect the mission that it is currently fulfilling: “To become a nationally prominent, exemplary center for Information Assurance education, research and outreach”. The MSIA curriculum has since been folded into the MSMIS curriculum and that degree plan has ended. We retain the Graduate Certificate in Information Assurance (GCIA), however.

### Outcome: Creative Thinking

Students should exhibit higher analytic and creative thinking skills and express themselves in a creative and professional way.

**Outcome Status:** Active

**Planned Assessment Year:** 2019 - 2020

**Outcome Type:** Skills

### Assessment Methods

**Analysis of Written Artifacts** - Course assignment of written term paper covering topics related to ethics and legal issues in information systems, 12 page minimum length. Paper completed during semester and submitted online. (Active) (Active)

\* **Learning Outcome Goal/Benchmark:** Our goal for this assignment was that at least 80% of the students achieve 80% or higher score.

**Timeline for Assessment:** Every year as applicable

### Related Items

Oklahoma State University Strategic Plan

**Core Goal 1: Academic Excellence** - B. Provide support for research, scholarship, and creative activities

**Core Goal 1: Academic Excellence** - C. Effectively assess student learning and provide resources for improving outcomes at the undergraduate, graduate, and professional levels

**Core Goal 2: Student Success** - E. Create and nurture a climate of acceptance, respect, trust, and comfort that fosters the success of individuals

### Outcome: Basic Domain Knowledge

Students should exhibit conceptual understanding of core domain elements.

**Outcome Status:** Active

**Planned Assessment Year:** 2019 - 2020, 2020 - 2021

**Outcome Type:** Knowledge

# Program (SSB) - MSIS - Information Assurance (GCRT) - 457

## Assessment Methods

**Course Exam(s)** - Multiple choice exam over fundamentals of Information Assurance (Active)

\* **Learning Outcome Goal/Benchmark:** Our goal for this examination was that at least 80% of the students achieve 80% or higher score.

**Timeline for Assessment:** Every year as applicable

## Related Items

Oklahoma State University Strategic Plan

**Core Goal 1: Academic Excellence** - C. Effectively assess student learning and provide resources for improving outcomes at the undergraduate, graduate, and professional levels

**Core Goal 2: Student Success** - E. Create and nurture a climate of acceptance, respect, trust, and comfort that fosters the success of individuals

## Outcome: Technology Skills

1. Student can use virtual machines and software tools to scan a network, hosts and services to identify vulnerabilities.
2. Student can create, configure and manage a firewall and access control lists to reduce threat exposure.

**Outcome Status:** Active

**Planned Assessment Year:** 2019 - 2020

**Outcome Type:** Skills

## Assessment Methods

**Course Project** - Technical exercises completed in school lab with results prepared and submitted to online course management system (Active)

\* **Learning Outcome Goal/Benchmark:** Our goal for this assignment was that at least 80% of the students achieve 80% or higher score

## Related Items

Oklahoma State University Strategic Plan

**Core Goal 1: Academic Excellence** - C. Effectively assess student learning and provide resources for improving outcomes at the undergraduate, graduate, and professional levels

**Core Goal 2: Student Success** - E. Create and nurture a climate of acceptance, respect, trust, and comfort that fosters the success of individuals

## Outcome: Communications Skills

1. Student can set up a persuasive thesis.
2. Student can effectively communicate various viewpoints and persuade the adoption of their own view by an outsider.

**Outcome Status:** Active

**Planned Assessment Year:** 2019 - 2020

**Outcome Type:** Knowledge

## Assessment Methods

# Program (SSB) - MSIS - Information Assurance (GCRT) - 457

**Analysis of Written Artifacts** - Argumentative Thesis Paper (Active)

\* **Learning Outcome Goal/Benchmark:** Our goal for this examination was that at least 80% of the students achieve 80% or higher score.