



Texas Southern University  
Assessment Plan 2010-2013

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## **Unit Assessment Plan**

College of Science and Technology

Master of Science Industrial Technology

## Introduction

### **Texas Southern University's Mission**

Texas Southern University is a comprehensive metropolitan university. Building on its legacy as a historically black institution, the university provides academic and research programs that address critical urban issues and prepare an ethnically diverse student population to become a force for positive change in a global society.

*In order to achieve this mission, Texas Southern University provides:*

- quality instruction in a culture of innovative teaching and learning
- basic and applied research and scholarship that is responsive to community issues
- opportunities for public service that benefit the community and the world.

### **Texas Southern University's Vision**

Texas Southern University will become one of the nation's pre-eminent comprehensive metropolitan universities. We will be recognized by the excellence of our programs, the quality of our instruction, our innovative research, and our desire to be a contributing partner to our community, state, nation, and world.

#### ***Accreditation Standards***

Accreditation by Southern Association of Colleges and Schools Commission on Colleges (SACS) Commission on Colleges signifies that the institution: (1) has a mission appropriate to higher education, (2) has resources, programs, and services sufficient to accomplish and sustain that mission, and (3) maintains clearly specified educational objectives that are consistent with its mission and appropriate to the degrees it offers, and that indicate whether it is successful in achieving its stated objectives.

*Source: The Principles of Accreditation: Foundations for Quality Enhancement, 5<sup>th</sup> edition*

## **Goal 1 Assessment Plan 2010-11 to 2012-13**

### **1 Goal Description**

Goal 1

To develop knowledge and understanding of current trends in a high-tech manufacturing environment.

### **2 SLO Student Learning Outcomes/Objectives**

SLO 1.1

Students will demonstrate the ability to identify current and future problems facing industry through research and discussions in determining possible solutions.

### **3 Metric**

In-class lectures and demonstrations understating results

Assigned research problems completion

In-class discussion participation

### **4 Target 2010-11**

Graduate students majoring in Industrial Technology must earn a score of 80% or higher on assigned projects, actively participate in class discussions, and understand in-class lectures and discussions.

### **5 Findings 2010-11**

The data indicated that 80% of students successfully developed an understanding of in-class lectures and demonstrations.

80% of students successfully completed all assigned research problems.

80% of students successfully participated in class discussions.

### **6 Action Plan 2010-11**

Based on 2010-11 Results:

Presentation styles will be evaluated and changes will be made where necessary.

Curricula content will be evaluated and relevant changes made.

### **7 Target 2011-12**

Graduate students majoring in Industrial Technology must earn a score of 80% or higher on assigned projects, actively participate in class discussions, and understand in-class lectures and discussions.

### **8 Findings 2011-12**

The data indicated that 85% of students successfully developed an understanding of in-class lectures and demonstrations.

80% of students successfully completed all assigned research problems.

85% of students successfully participated in class discussions.

### **9 Action Plan 2011-12**

Program is being phased out.

### **10 Target 2012-13**

Graduate students majoring in Industrial Technology must earn a score of 80% or higher on assigned projects, actively participate in class discussions, and understand in-class lectures and discussions.

### **11 Findings 2012-13**

The program is being phased out.

### **12 Action Plan 2012-13**

The program is being phased out.

### **13 Additional Reference Documents**

A summary list of student assignment scores and copies of assignments

Examples of student research findings

## **Goal 2 Assessment Plan 2010-11 to 2012-13**

### **1 Goal Description**

Goal 2

To introduce students to facilities planning and system analysis

### **2 SLO Student Learning Outcomes/Objectives**

SLO 2.1

Students will demonstrate the ability to layout appropriate space, equipment, and industrial supplies necessary in planning an industrial facility.

### **3 Metric**

Assigned project completion

Portfolio completion

Written reports completion

### **4 Target 2010-11**

Graduate students majoring in Industrial Technology must earn a score of 80% or higher on assigned projects, portfolios, and written reports.

### **5 Findings 2010-11**

The data indicated that 80% of students successfully completed all assigned projects.

75% of students successfully completed a portfolio.

80% of students successfully submitted all written reports.

### **6 Action Plan 2010-11**

Based on 2010-11 Results:

Presentation styles will be evaluated and changes will be made where necessary.

Curricula content will be evaluated and relevant changes made.

### **7 Target 2011-12**

Graduate students majoring in Industrial Technology must earn a score of 80% or higher on assigned projects, portfolios, and written reports.

### **8 Findings 2011-12**

The data indicated that 80% of students successfully completed all assigned projects.

80% of students successfully completed a portfolio.

80% of students successfully submitted all written reports.

### **9 Action Plan 2011-12**

Program is being phased out.

**10 Target 2012-13**

Graduate students majoring in Industrial Technology must earn a score of 80% or higher on assigned projects, portfolios, and written reports.

**11 Findings 2012-13**

The program is being phased out.

**12 Action Plan 2012-13**

The program is being phased out.

**13 Additional Reference Documents**

Examples of student portfolios

Examples of written assignments