



Texas Southern University  
Assessment Plan 2010-2013

---

## **Unit Assessment Plan**

College of Science and Technology

Bachelor of Science in Physics

## 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 provide students with advanced quantitative skills and an understanding of the fundamental laws of nature

**2 SLO Student Learning Outcomes/Objectives**

SLO 1.1

Students will demonstrate knowledge of atomic and nuclear structure, radiation and its effects and radioactive decay

SLO 1.2

Students will demonstrate knowledge of natural and manmade environmental radionuclide sources, radiation biology and pathways for environmental protection

SLO 1.3

Students will demonstrate knowledge of the foundations of quantum mechanics

**3 Metric**

Metric 1.1

Knowledge assessment scores in PHYS 361

Metric 1.2

Knowledge assessment scores in PHYS 365

Metric 1.3

Knowledge assessment scores in PHYS 353

**4 Target 2010-11**

Target 1.1

70% of the students will receive a score of 70 or better on the knowledge assessment

Target 1.2

70% of the students will receive a score of 70 or better on the knowledge assessment

Target 1.3

70% of the students will receive a score of 70 or better on the knowledge assessment

**5 Findings 2010-11**

N/A

**6 Action Plan 2010-11**

Program Terminated

**7 Target 2011-12**

Program terminated in Fall 2011

**8 Findings 2011-12**

Program terminated in Fall 2011

**9 Action Plan 2011-12**

Program terminated in Fall 2011

**10 Target 2012-13**

Program terminated in Fall 2011

**11 Findings 2012-13**

Program terminated in Fall 2011

**12 Action Plan 2012-13**

Program terminated in Fall 2011

**13 Additional Reference Documents**

Physics Assessment Summary