



Texas Southern University  
Assessment Plan 2010-2013

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## **Unit Assessment Plan**

College of Science and Technology

Bachelor of Science in Civil Engineering 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: Graduates will be prepared to assume professional positions in the electronics technology industry which utilize their technical skill and problem solving ability.

### 2 SLO Student Learning Outcomes/Objectives

1.1 Students will demonstrate ability to apply principles of mathematics and applied science to perform technical calculations and solve technical problems of the types commonly encountered in electronics technology careers. (consistent with TAC/ABET Criterion 2 Outcomes a,b,f) by Correctly answering embedded questions on the EXIT exam

1.2 Students will demonstrate their knowledge gained and ability to apply principles of mathematics and applied science in the workforce

### 3 Metric

TAC/ABET scores on outcomes a,b, and f

Employment survey satisfaction values

### 4 Target 2010-11

70% of the students will receive 70% or better of Criterion 2 a,b,f

Employment survey satisfaction will be 100%

### 5 Findings 2010-11

68% Students received an average score 70% or better

### 6 Action Plan 2010-11

Increase peer-tutoring activities for improved performance.

Increase monitoring of the performance of graduates at their place of employment. A faculty will be given release time to provide oversight of graduate performance and to be the liaison between the department and the employers of graduates.

### 7 Target 2011-12

70% of the students will receive 70% or better of Criterion 2 a,b,f

Employment survey satisfaction will be 100%

### 8 Findings 2011-12

71% Students received an average score 77% or better

### 9 Action Plan 2011-12

Increase peer-tutoring activities for improved performance.

### 10 Target 2012-13

70% of the students will receive 70% or better of Criterion 2 a,b,f

Employment survey satisfaction will be 100%

### 11 Findings 2012-13

70% Students received an average score 76% or better

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

Increase peer-tutoring activities for improved performance.

## **13 Additional Reference Documents**

Exit Exam Scores

[CIVT ASSESSMENT FLL 2011, SPRING 2012](#) [XLS 29 KB 10/2/15]

[CIVT ASSESSMENT FLL 2012, SPRING 2013](#) [XLS 32 KB 10/2/15]

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

### **1 Goal Description**

Goal 2: Graduates are prepared with the technical and communication skills needed to advance in their professional career.

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

2.1 Students will demonstrate an ability to communicate effectively and function effectively with members of multidisciplinary teams (consistent with TAC/ABET Criterion 2 Outcomes). by correctly answering embedded questions on the EXIT exam

2.2 Students will demonstrate technical skills when taking the FE exam

### **3 Metric**

Departmental exit exam scores on Criterion 2;

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

70% of the students will receive 70% or better of Criterion 2 a,b, f

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

86% of the students received an average score of 70% or better

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

Offer refresher classes for students

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

70% of the students will receive 70% or better of Criterion 2 a,b, f

50% of students will pass the FE exam

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

71% Students received an average score 77% or better

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

Offer refresher classes for students

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

70% of the students will receive 70% or better of Criterion 2 a,b, f

**11 Findings 2012-13**

70% Students received an average score 76% or better

**12 Action Plan 2012-13**

Increase peer-tutoring activities for improved performance.

**13 Additional Reference Documents**

Exit Exam Scores