



Texas Southern University
Assessment Plan 2010-2013

Unit Assessment Plan

College of Science and Technology

Bachelor of Science in Computer Science

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, 5th edition

Goal 1 Assessment Plan 2010-11 to 2012-13

1 Goal Description

Goal 1 (2010-2012 only)

Prepare students for successful and productive careers as specialized CS/IT professionals in industry and government

2 SLO Student Learning Outcomes/Objectives

SLO 1.1

Students will demonstrate knowledge of the programming languages and design

SLO 1.2

Students will demonstrate knowledge of architecture, programming and interface of microprocessor design

SLO 1.3

Students will demonstrate an ability to use current techniques, skills, and tools necessary for computing practices by developing small to medium size software applications.

3 Metric

SLO 1.1: Knowledge assessment scores in CS 140 and CS 241.

SLO 1.2: Knowledge assessment scores in CS 343 and capstone project CS 499

4 Target 2010-11

SLO 1.1: 70% of student will achieve 70 % or higher

SLO 1.2: 70% of student will achieve 70 % or higher

SLO 1.3: 70% of student will achieve 70 % or higher

5 Findings 2010-11

SLO 1.1: Course assessment reports show that 70% of students achieved 70% or higher.

SLO 1.2: Course assessment reports show that 70% of students achieved 70% or higher.

SLO 1.3: Course assessment reports show that 70% of students achieved 70% or higher.

6 Action Plan 2010-11

Based on the findings and after reviewing the current program goals and SLOs, the following action plan is in place:

- Strengthen the curriculum by introducing the following changes:

â€ Reduce the required credit hours for graduation from 134 credit hours to 122 credit hours:

1- For Track I: Remove the minor requirement.

2- For Track II: Remove CS 345 and CS 445 as required courses and reducing the elective courses from three to one.

â€ Adding the following new course: CS 434 Wireless Programming.

â€ Updating the prerequisites for the CS 246, CS 444, CS 456.

- Review the program goals and SLOs.

7 Target 2011-12

SLO 1.1: 70% of student will achieve 70 % or higher

SLO 1.2: 70% of student will achieve 70 % or higher

SLO 1.3: 70% of student will achieve 70 % or higher

8 Findings 2011-12

SLO 1.1: Course assessment reports show that 70% of the students achieved 70% or higher.

SLO 1.2: Course assessment reports show that 70% of the students achieved 70% or higher.

SLO 1.3: Course assessment reports show that 84% of the students achieved 70% or higher.

9 Action Plan 2011-12

Develop an exit exam as a new tool to measure the SLOs.

10 Target 2012-13

Program goals and SLOs were revised starting 2012-2013 academic year. Please see the 2012-2013 assessment plan.

11 Findings 2012-13

Program goals and SLOs were revised starting 2012-2013 academic year. Please see the 2012-2013 assessment plan.

12 Action Plan 2012-13

Program goals and SLOs were revised starting 2012-2013 academic year. Please see the 2012-2013 assessment plan.

13 Additional Reference Documents

Course Assessment Report (CARs) for CS 140, CS 241, CS 343, and CS499. These courses used embedded questions to measure the SLO metric.

[CAR_2011F_CS140_Sleem](#) [DOCX 25 KB 10/2/15]

[CAR_2011F_CS343_Kamel](#) [DOC 42 KB 10/2/15]

[CAR_2011F_CS499_Khan](#) [DOCX 21 KB 10/2/15]