



Texas Southern University
Assessment Plan 2010-2013

Unit Assessment Plan

College of Science and Technology

Master 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

To prepare technically superior computer professionals for the workforce

2 SLO Student Learning Outcomes/Objectives

SLO 1.1 Students will demonstrate knowledge of advanced computer architecture of computer hardware

SLO 1.2 Students will demonstrate knowledge of computer networks and protocols

SLO 1.3 Students will demonstrate knowledge of advanced software engineering including software measurement and analysis theory

3 Metric

SLO1.1: Knowledge assessment scores in CS 531

SLO1.2: Knowledge assessment scores in CS 545

SLO1.3: Knowledge assessment scores in CS 661 and CS 551

4 Target 2010-11

SLO 1.1: 80% students score 70% or better

SLO 1.2: 80% students score 70% or better

SLO 1.3: 80% students score 70% or better

5 Findings 2010-11

SLO 1.1: 80% of students (n=8) scored 70% or better

SLO 1.2: 85% of students (n=8) scored 70% or better

SLO 1.3: 82% of students (n=8) scored 70% or better

6 Action Plan 2010-11

- Continuing review of curriculum to ensure program goals are met and currency of topics covered

7 Target 2011-12

SLO 1.1: 80% students score 70% or better

SLO 1.2: 80% students score 70% or better

SLO 1.3: 85% students score 70% or better

8 Findings 2011-12

SLO 1.1: 82% of students (n=8) scored 70% or better

SLO 1.2: 80% of students (n=8) scored 70% or better

SLO 1.3: 83% of students (n=8) scored 70% or better

9 Action Plan 2011-12

Adding one CS Research Seminar course.

10 Target 2012-13

SLO 1.1: 80% students score 70% or better

SLO 1.2: 80% students score 70% or better

SLO 1.3: 85% students score 70% or better

11 Findings 2012-13

SLO 1.1: 82% of students (n=8) scored 70% or better

SLO 1.2: 80% of students (n=8) scored 70% or better

SLO 1.3: 83% of students (n=8) scored 70% or better

12 Action Plan 2012-13

Program goals and SLOs will be revised.

13 Additional Reference Documents

Course Assessment Report (CARs) for CS 511, CS 531, CS 541, CS 545 and CS 551

These courses used embedded questions to measure the SLOs.

[CAR_2011F_CS551_Ghemri](#) [DOCX 23 KB 10/2/15]

[CS-2012-2013 CARs Summary-MS](#) [XLS 26 KB 10/2/15]

[CS531_CAR_Spring2012_Khan](#) [DOC 22 KB 10/2/15]

[CS545_CAR_Spring2012_Kamel](#) [DOC 45 KB 10/2/15]