



Texas Southern University
Assessment Plan 2010-2013

Unit Assessment Plan

College of Science and Technology

Master of Science in Chemistry

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

To prepare students for advanced (e.g., Doctor of Philosophy [Ph.D.]) degrees with specialization in the Biological Sciences.

2 SLO Student Learning Outcomes/Objectives

SLO 1.1

Students will successfully conduct mentored research as demonstrated through their thesis

3 Metric

Successful completion of a thesis defense

4 Target 2010-11

80% of students successfully complete the thesis defense

5 Findings 2010-11

100% of students successfully completed the thesis defense

6 Action Plan 2010-11

Continue monitoring student progress and take corrective action as necessary

7 Target 2011-12

80% of students successfully complete the thesis defense

8 Findings 2011-12

100% of students successfully completed the thesis defense

Number of students = 2

9 Action Plan 2011-12

Continue monitoring student progress and take corrective action as necessary

10 Target 2012-13

80% of students successfully complete the thesis defense

11 Findings 2012-13

33% of students (one student out of three) successfully completed the thesis defense.

12 Action Plan 2012-13

Continue monitoring student progress.

13 Additional Reference Documents

Qualifying exam results summary

[MS Qualifying Exam Scores](#) [XLSX 9 KB 10/2/15]

[MS Qualifying Exam Scores-2012-2013](#) [XLSX 9 KB 10/2/15]

Goal 2 Assessment Plan 2010-11 to 2012-13**1 Goal Description**

Goal 2

To prepare students to teach Chemistry in public and private schools, two- and four-year colleges, and also to prepare those who wish to seek employment in government and industry and related areas

2 SLO Student Learning Outcomes/Objectives

SLO 2.1

Students will express their knowledge of various aspects of Chemistry as demonstrated through their qualifying exam scores

3 Metric

Qualifying examination score

4 Target 2010-11

60% of students successfully complete qualifying examination

5 Findings 2010-11

100% of students successfully completed the qualifying examination

6 Action Plan 2010-11

Improve recruiting efforts for students seeking graduate degrees in Chemistry

7 Target 2011-12

60% of students successfully complete qualifying examination

8 Findings 2011-12

100% of students successfully completed the qualifying examination

9 Action Plan 2011-12

Improve recruiting efforts for students seeking graduate degrees in Chemistry

10 Target 2012-13

60% of students successfully complete qualifying examination

11 Findings 2012-13

100% of students successfully completed the qualifying examination

12 Action Plan 2012-13

Improve recruiting efforts for students seeking graduate degrees in Chemistry

13 Additional Reference Documents

Qualifying Exam Summary Scores