XXX School of XXX

Heading is the SAME on All preparatory documents

This document should not exceed three pages

BS, xxxxxx xxxxxx

Times New Roman

Size 16 Font

Margins 1”

(Normal Setting)

XXXX Accreditation Review

Month XX-XX, 20XX

Times New Roman

Size 12 Font

**BOLD**

**Executive Summary**

**Summary of Self-Study Report:**

1. Students

Admissions requirements for the XXX program are the same as for general admission to Texas State University (Texas State), with one addition. In order to declare a XXX major, a student must be eligible to enroll in XXX. The XXX program currently has ### students enrolled, down slightly from a high of ### in AY (Academic Year) 20XX but up significantly from ### in AY 20XX and ### in AY 20XX. Our graduates find work both in central Texas industries and in industries located throughout the country (e.g. local – XXX; nationwide – XXX).

1. Mission and Program Educational Objectives

“Our mission is

To provide an excellent and innovative education setting to our students so they can learn and discover how complex systems work better.  The IE program strives to maintain a comprehensive curriculum that enables students to become leading engineers and/or creative researchers in the global marketplace and/or in graduate studies.  The program seeks to collaborate with private and public sectors in the search of methodologies and creative solutions to problems that contribute to the advancement of education, technology, and professional development.  Through plans and activities that search to embrace a dynamic student population, the program attempts to be a significant provider of global workforce.”

“Our Program Educational Objectives are to produce graduates who:

1. Perform as industry leaders in the global marketplace, capable of successfully planning, controlling, and implementing large-scale projects.
2. Understand and apply the principles of science, technology, engineering, and math involving industry-relevant problems.
3. Contribute to the profitable growth of industrial economic sectors by using analytical tools, effective computational approaches, and systems thinking methodologies.
4. Maintain high standards of professional and ethical responsibility.
5. Flourish and work effectively in dynamic, multicultural environments emphasizing the application of teamwork and communication skills.
6. Practice life-long learning to sustain technical currency and excellence throughout one's career.  Promote the profession and its benefits to society.”

Page # included on every page

*Program Constituencies:*

Students, faculty, alumni, and employers of our graduates. We have an #-member XXX Advisory Board that meets yearly.

1. **Student Outcomes**

“Each student is expected to demonstrate:

1. an ability to apply knowledge of mathematics, science, and engineering
2. an ability to design and conduct experiments, as well as to analyze and interpret data
3. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. an ability to function on multidisciplinary teams
5. an ability to identify, formulate, and solve engineering problems
6. an understanding of professional and ethical responsibility
7. an ability to communicate effectively
8. the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
9. a recognition of the need for, and an ability to engage in life-long learning
10. a knowledge of contemporary issues
11. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
12. an ability to design, develop, implement, and improve integrated systems that include people, materials, information, equipment, and energy and to accomplish the integration of systems using appropriate analytical, computational, and experimental practices.”
13. **Continuous Improvement**

The \_\_\_ program uses the following assessment mechanisms:

* + Program outcomes are assessed by embedding specifically targeted items (homework exercises, labs, quiz questions, exam questions, etc.) within various classes in the XXX curriculum.
  + Surveys are given to recent graduates (to assess student outcomes) and alumni and their employers (to assess program educational objectives).
  + Peer in-class teaching evaluations are conducted yearly.
  + Student teaching evaluations are requested for each class.

Many specific improvements to courses, curriculum, and other aspects of the \_\_\_program (e.g. career counseling, recruiting) are described in pp. ## through ## of the self-study report.

1. **Curriculum**

Courses are divided into three categories: Texas State core curriculum, mathematics & basic science, and engineering. XXX majors experience a ###-hour curriculum that includes a senior design project (XXX’s nomenclature is “Capstone Design Project”). The Capstone Design Project serves as a culminating design experience to incorporate knowledge from previous classes in a practical context with “real-world” constraints.

1. **Faculty**

The XXX program has four dedicated full-time faculty members. XXX is a tenured Associate Professor. XXX and XXX are tenure-track Assistant Professors. XXX is an Assistant Professor in his terminal year, having not been awarded tenure in AY 20XX (we are currently conducting a search to fill this position). XXX also receives support in teaching classes and other collaborative activities from faculty within other XXX programs (most notably XXX) and from the Department of XXX. Adjunct faculty members are also employed to teach certain courses in the XXX curriculum. A majority of our adjunct faculty hold Ph.D. degrees and many have significant industrial experience.

1. **Facilities**

The \_\_\_ program has excellent classroom, laboratory, and office facilities located in the XXXX Building (XXX). Each classroom includes an instructor’s podium with a networked PC, an overhead document viewer, a projector, and supporting audio equipment. Each classroom also has a ceiling-mounted projector, a large screen, and whiteboard(s). Labs have state-of-the-art equipment (details in pp. #-# through #-# of the self-study report). Computing facilities and software support are excellent. Facilities are a strength of the \_\_\_ program.

1. **Support**

The XXX program is supported by M&O funds provided to the XXX of XXX from the Provost’s Office. These funds are sufficient for operation of the program, professional development of the faculty, and maintenance or replacement (when necessary) of equipment to support the undergraduate labs. The XXX program also enjoys support from the XXX endowments. Institutional support is a strength of the XXX program.

As required by XXXX, our XXX program

a. demonstrates that graduates have the ability to design, develop, implement, and improve integrated systems that include people, materials, information, equipment and energy.

b. includes in-depth instruction to accomplish the integration of systems using appropriate analytical, computational, and experimental practices.

As also required by XXXX, our XXX faculty have currency in their respective professional areas and have responsibility and sufficient authority to define, revise, implement, and achieve program objectives.

**Analysis of XX Program by XXXXXXXXX Director**

**(Confidential – for Texas State upper administration only)**