Construction Program Strategic Plan for 2012-2017
Final

Construction Science and Management Mission Statement

The Mission of the Construction Science and Management program is to achieve a nationally recognized, student-centered, industry-oriented, construction program that prepares graduates to become outstanding future leaders, well versed in relevant management practices, current construction techniques and in the conduct of applied research.

Introduction

Listed below are the five Topical Areas and six major goals with their associated objectives that the construction program will strive to accomplish over the next five years.

Program

Goal 1: Maintain an industry relevant and contemporary curriculum through a continuous improvement process.

Objectives:

1. Obtain ACCE Accreditation
2. Maintain ACCE Accreditation
3. Fully implement the Pre-Construction Curriculum for students entering the CSM program.
4. Fully implement the CSM Curriculum which was first offered in the Fall 2010 semester, replacing the former BST in Construction Technology Degree.
5. Assess the effectiveness of the new CSM curriculum based on input from the CAB, Alumni, Students and Faculty in preparing construction professionals for the industry.
6. Incorporate more project based learning activities in existing courses based on actual industry documents and/or projects.
7. Incorporate more industrial speakers and construction field trips into appropriate courses
8. Improve our lecture, laboratory and research facilities

Goal 2: Achieve program stabilization in relationship to a proper student to faculty ratio.

Objectives:

1. Achieve and maintain a CSM student to CSM faculty ratio of 40:1.
2. Determine if the Pre-Construction Curriculum will limit enrollment to about 240 majors (6 faculty x 40 students = 240) or if a GPA or other requirements are necessary to maintain a 40:1 student to faculty ratio.
3. Graduate 70% of the CSM students that enter the CSM program after completing the Pre-Construction Curriculum.

Faculty

Goal 3: Recruit, retain and continually improve the qualifications of top quality faculty with construction related industry experience.

Objectives:

1. Work towards developing faculty appointment and getting university approval for a non-tenure track “Professional” position (not currently available at Texas State).
2. Recruit tenure track faculty with expertise in the area they will teach, applied research interest in construction and relevant construction experience.
3. Institute faculty industry internships for non-tenured faculty and instructors, and encourage tenured faculty to engage in Faculty Development Leaves in the Construction Industry.
4. Institute a professional development plan for each faculty member, which may include appropriate certifications, professional registrations, professional licenses and continuing education.

**Students**

*Goal 4: Recruit, retain and prepare a high quality diverse student body for leadership positions in the construction industry.*

**Objectives:**
1. Develop and implement recruiting plan to attract high quality and diverse students into the CSM program.
2. Develop and implement a plan to retain CSM majors, once in the program.
3. Improve the TECH 4390 Internship Program to better prepare students to enter the construction industry (lengthen to 400 hours, offer during long semesters, and allow juniors 60-90 hours to qualify).
4. Build the Fall and Spring Construction and Concrete Job Fair to include 30 participating employers and increase the employer invite list to over 100 employers.
5. Fully implement the Pre-Construction Curriculum which will provide better prepared students for the program in math, science and technical problem solving abilities required by the major and provide the proper balance between the quantity and quality of construction majors.
6. Increase the scholarship money available to CSM majors. (Mostyn, Ingram’s Endowed Scholarships for example).
7. Improve student marketability through increased credentials including AIC certification, OSHA 10 or 30 hour certification and LEED certification.
8. Expand the role of the Construction Student Association (CSA) to include more students and increased activities.

**Applied Research**

*Goal 5: Conduct and disseminate research that is relevant to the construction industry and construction education.*

**Objectives:**
1. Increase tenure and tenure track faculty activity in publishing industry relevant research.
2. Increase tenure and tenure track faculty activity in publishing construction education related research.
3. Increase tenure and tenure track faculty activities obtaining appropriate research funding.
4. Increase construction faculty participation in Industrial Consulting.
5. Increase both undergraduate and graduate participation in research.

**Outreach/Fundraising**

*Goal 6: Provide outreach to multiple stakeholders of the program including the construction industry, potential secondary school students in the State of Texas, current CSM students, and Alumni.*

**Objectives:**
1. Improve the department website to include relevant information for industry, potential students, current students and alumni.
2. Include relevant CSM Program information in the Department Newsletter.
3. Offer continuing education courses for both industry and students.
4. Improve alumni outreach (website, department newsletter and Recognition Night to honor outstanding alumni of the program).
5. Expand the CAB involvement in the development of the Construction Program.
6. Establish a comprehensive fundraising plan to attract outside money for both the program and CSM scholarships.