

**CONSTRUCTION MANAGEMENT
CONSTRUCTION MANAGEMENT PROGRAM**

ACTION PLAN

I. Vision for the Program

“Develop character, construct leaders, sustain learning”

[What changes in direction or new initiatives do you anticipate as a result of the review?]

II. Specific actions to be taken to achieve the vision

1. Department Status

a. Attainment of departmental status – The CM Program has been in existence since 1969 and is accredited by ACCE. It has been functioning similar to other departments in LCOE, autonomous operation, for the past several years. The CM Program has fulfilled 4 of 5 requirements set forth by APM 113 (Section III, p 113-3). The only remaining item is the addition of 5th full-time faculty, which is in process.

b. There is no additional cost or resources associated with this action plan. The additional faculty line is designated as a cohort faculty in relation to the urban and regional planning. As such, the Provost office will contribute half of the faculty salary. The local construction industry and the match from Lyles Challenge Grant will cover the remaining 50%. There is no need for additional staff or space. The existing office suite and administrative assistant will suffice for this transition.

c. As explained above, in part b, the funding for the salary of cohort faculty will be generated from industry donations and the Provost office.

d. The cohort faculty search is presently in process. The new faculty is expected to join the CM Program in Fall 2013.

2. Leadership, Innovation and Entrepreneurship

a. Today’s construction industry is vastly different than even three short years ago. More innovative approach and stronger leadership with entrepreneurship mindset are needed to overcome the surmounting complexities and challenges facing the construction industry. The CM Program at Fresno State has completely overhauled its undergraduate education to prepare future leaders of the construction industry. The newly innovative curriculum along with the leadership development program will enhance student learning and will equip them with leadership skills to succeed in the global market. Dr. Zoghi, the CM Coordinator, has recently received the Coleman Fellowship Grant to integrate construction entrepreneurship, in tandem with the leadership development program, throughout the curriculum and CM’s undergraduate education.

b. The CM Program has started several leadership development scholarship programs for undergraduate students. Also, we have established a speaker series for both the leadership and entrepreneurship programs. Finally, student leaders are encouraged to attend leadership conferences/workshops. The cost will increase as more students become involved in these activities and a greater number of scholarships are awarded.

c. The sources of funding during the last year, since the inception of the leadership program, has been through the IRA funding, CEA University Grant, and Lyles Challenge match. We have prepared and submitted grant proposals to construction industry to endow our leadership development program, and make these extremely worthwhile endeavors sustainable in the future.

d. Currently, only 15 to 20 students are taking advantage of the leadership development program. On the other hand, we just received the Coleman Fellowship for construction entrepreneurship, which is being implemented. We anticipate fully incorporating these programs and reaching out to twice as many students within next couple of years and eventually (in 5 to 7 years) involve all undergraduate students.

3. Internship Program

a. CM Program's newly revised curriculum calls for a mandatory internship for all students.

b. Once the mandatory internship becomes fully effective, there will be a need for a part-time coordinator for placement of students. It is anticipated that the cost associate with the coordinator position will range between \$30 K to \$40K.

c. Short term funding will be through CEA University Grant, with the match from Lyles Challenge Grant. The university advancement will be reaching out to the construction industry for a donation to either endow the position or acquire partial financial support.

d. In the past, internship was optional and about 25% or so of students were enrolled. Currently, there is a handful of students enrolled in the mandatory internship program. It is anticipated within a year, there will be around 50 to 60 students required to participate in the internship program. Also, the CM Program will be requiring between 200 to 600 hours of related experience by the time of student's graduation. Initially, there will be 200 hours as minimum requirement, then it will increase to higheste level of 600 hours.

4. Sustainability Certificate Program and Graduate Degree in CM

a. To institute a full fledge sustainability certificate program (4 to 5 courses), either via on-line or hybrid delivery approach. In addition, there will be workshops from one-half day to two or three days in various CM related fields/needs.

b. The cost associated with developing and offering these programs will entail staffing and infrastructure.

c. Sources of fund will include revenues generated from fees (students/professionals) per unit or continuing education.

d. We have conducted several LEED and CalGreen workshops. Also, a course in construction sustainability has been developed and is currently being taught. It is anticipated that within next couple of years additional workshops and courses will be developed and offered to fully implement the certificate program. The certificate program will serve as a stepping stone too eventually (with next five years) to begin offering a graduate degree program in construction management. This program will be similar to and in conjunction with the Craigs School of Business' MBA Program.

5. Outreach

- a. Increase enrollment from the current just over 200 students total to 300 in five years.
- b. There will be a need for additional scholarships to recruit top students into the program.
- c. Currently, we have a limited number of scholarship programs available. Efforts are underway (in collaboration with the advancement office) to generate more funding through donations/endowments. Also, we are actively pursuing STEM Initiative grants, in partnership with other units on campus. Most recently, we acquired the Crayon to CAD curricula for 6th, 7th, and 8th graders to work closely with Fresno Unified to implement them as a combination of after school programs, Saturday academies, etc.
- d. Our vision is to increase the enrollment by about 10% (roughly 20 students) each year for the next five years.

This template provides space for five action items, but programs may add more items by adding rows. Simply copy the five rows above and paste them into the template after item 5d above. You can then renumber the items as 6, 7, 8, 9, etc.

III. Additional information the department may wish to include

1. Service Learning Activities

Our award-winning service learning program involves three "S" designated courses. In addition, the capstone series involve the eco-village and other CBO (community-based program) projects. During the last couple of years, funding has been obtained from Richter Center, Chancellor's office, and CEA University Grant (plus the match from Lyles Challenge Grant) to support this endeavor. We will be preparing and submitting major research proposals in the future to sustain worthwhile endeavor.