Construction Science and Management Strategic Plan 2017-2023
(April 13, 2017 Update)

Construction Science and Management Mission Statement

The Mission of the Construction Science and Management program is to maintain 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 methods used to construct the built environment.

Strategic Plan Overview for the Construction Science and Management Program

The CSM Program has identified five (5) goals for the 2017-2023 Strategic Planning Cycle. Goal 1 (CS Masters) is the most strategic, requiring a new Master’s Degree proposal, addition of faculty and space allocations. Goal 2, balancing the faculty, depends heavily on Goal 1 being accomplished, which will increase our ratio of tenure/tenured faculty. Goal 3 is timely, since the RF Mitte Building is being reconfigured to accommodate the new Civil Engineering Program. Goal 4, except for the Masters in CM, are Program specific and do not need to be part of the Departments Strategic Plan. Goal 5 is looking into the future, when the CSM and CIM Programs combine into their own department. It should be noted the three Program Directors have work together to ensure their Program Plans complement each other.

Goal 1: Develop a Master’s Degree in Construction Management that will support the CSM and CIM programs.

A. The Master’s Degree will include both campus-based classes and a substantial number of online or hybrid format classes. The emphasis on online course offerings is based upon a report by the Education Advisory Board (EAB) forwarded to the CSM program by Debbie Thorne, Associate Vice President for Academic Affairs, that cites the need for an online CM Degree, especially in Texas) Total cost from below, $455,000

B. Hire or promote a tenured CSM or CIM Faculty Member to become the Director of the Master’s program ($90,000)

C. Hire or promote a two CIM or CSM Faculty members to be a full-time faculty for the Master’s program ($160,000)

D. Hire an instruction design specialist to support the online course development and implementation ($50,000)

E. Hire a computer technician to support the increased computer needs of this program ($50,000)

F. Obtain additional research space for the new faculty ($).
G. Obtain four additional faculty offices for the new Master’s program faculty ($).

H. Add six (6) GIA positions to support graduate student professional development and support the growing undergraduate CSM program (6 x $17,500 = $105,000).

I. Future: Consider a Ph.D. in CM during the next Strategic Planning cycle

Goal 2: Balance CSM Faculty between Tenure and non-Tenure Faculty

A. Tenure or tenure track to compose 50% of the CSM faculty
   i. Use the proposed four Master Program faculty to meet this goal.

B. Temporary Full-time Instructors
   i. Request to convert temporary full-time instructorships to permanent lecturers after two years.

C. Request additional temporary full-time instructors as needed to staff the growing program demands (2 @ $50,000=$100,000)

D. Per-Course
   i. Limit per-course faculty teaching to no more than 15% of the courses taught

E. Professor of Practice
   i. Hire and maintain two Professor of Practice positions on the CSM Faculty ($40,000 added to an Instructor’s salary for second PP)

F. Work towards a 40:1 Student to faculty ratio to maintain the high quality of the program.

Goal 3: Space allocation

Become actively involved in the remodeling of the R.F. Mitte Building as space is reconfigured to accommodate the new Civil Program. We need:

A. Four (4) faculty offices for new CSM tenure and Professor of Practice Faculty ($)

B. Need additional space to accommodate instructors ($).

C. Need a MEPs Lab, for 24 students ($).
D. Need a dedicated Soils Lab, to be located on the 1st floor, with water and access to the outside. This lab could be developed in conjunction with the new Civil and Environmental Engineering Program. The Lab needs to accommodate 24 students ($).
E. Need 400 SF of shared research space that can be reconfigured as grants are completed and new grants are funded ($).
F. Add another 50-seat lecture room ($)
G. Add a computer lab for student use upon the relocation of the CLC (Collaborative Learning Center) to Ingram Hall ($).
H. Need a graduate seminar room to accommodate 20 students for the TM and future CM Master’s Degree ($) 
I. Negotiate a consolidation of faculty office spaces on the second floor of RFM, especially as Engineering vacates offices in their move to Ingram Hall.

**Goal 4: CSM Level Program Changes (Curriculum)**

A. Master’s level
   i. Add a Master’s Degree in CM (See Goal 1 for more details), with a long range plan of adding a future Ph.D. in CM

B. Undergraduate level
   i. Add specializations in
      a. Residential
      b. Commercial
   ii. Add a Capstone course specifically for Residential Construction
   iii. Require the AIC, AC Exam as a graduation requirement in CSM 4360.
   iv. Move to a cohort system, requiring all majors to apply for entrance into the CSM major after completing their Pre-Construction set of courses. By doing so, we can maintain a healthy balance between the number of students entering the CSM major, to the resources available.

**Goal 5: (Future) Become an independent Department of Construction and Concrete Management (CCM)**

A. Independent department states most likely will not occur until a College of Engineering is formed.
i. Consider adding a BS in Construction Engineering as a new major.