1.0: Background

Briefly describe the program(s), number of students served, faculty and refer to five-year reports for additional information. Can be copied and inserted from the 5-year review.

The School of Engineering is part of the College of Science. The School offers Bachelor’s degree programs in Construction Management, Industrial Engineering and Computer Engineering. They also offer Master’s degree programs in Engineering Management and Construction Management. The Master of Science in Construction Management started in the Winter quarter of 2009 followed by the Bachelor of Science in Construction Management in the Fall 2010. The first cohort of students graduated with MS degrees in 2011 and BS degrees in the Spring of 2013. Since then, the program has graduated 37 with BS degrees and 84 with MS degrees. The number of majors in Construction Management as of Fall 2016 are 91 undergraduates and 90 graduates. The student body in the School of Engineering and the Construction Management are very diverse and fairly reflect the diversity of the Bay Area population. Most of our graduates end up working for construction companies in the Bay Area with few pursuing doctoral degrees. The faculty of the Construction Management include 4 tenure track full time faculty and 4 part time lecturers. All tenure track faculty have Ph.D. degrees in construction management with undergraduate degrees in civil engineering. The faculty have been successful in receiving funding from internal and external sources.

The emphasis of the programs in Construction Management is to prepare effective managers for public and private construction projects, to prepare the workforce required for the state construction industry, and to enable high school graduates, transfer students and working professionals to assume leadership roles in the construction industry. Our program aims to recruit and educate a diverse group of students, which is representative of the population in the San Francisco Bay area.

During the past 5 years, the program has received about $650,000 of funding for laboratory development. The laboratories include Sustainable Construction Materials lab., Construction Engineering Advanced Technologies Center, and the Surveying Laboratory.

2.0: Checklist of documents submitted with the 5-year review.

- Self Study – present in 5-year review
- Five-year plan – present in 5-year review
- External reviewer’s report – present in 5-year review, as liaison, I was able to speak to the external review committee to entertain any questions related to CAPR.
- Program response to the external reviewer’s report – there is a summary of goals and trends and future steps to be taken based on the external reviewers’ comments.
- Accreditation documents (if applicable)- links to accreditation and thorough data tables listing ILO, PLO and SLO assessment strategies are provided in the 5 year review.

3.0: CAPR Analysis

An executive summary and recommendation for program continuation is proposed. It should be no more than 1-2 pages and should be written by the CAPR liaison in partnership with the department/program chair.
Proposed parts:

- **Discuss the strengths and assets of the program with respect to faculty, student success, curriculum, program enhancement, assessment plans as well as notable accomplishments:** The program has devised a comprehensive assessment plan and have implemented it over the past few years. The data indicates that all program outcomes have been achieved. However, they are continuously looking for opportunities to improve the programs. To close the loop in assessment, evaluation and program improvements, they are using the process shown in the figure provided (p. 28 of the 5-year review document). The advising process for construction management program is well organized. A specific faculty advisor is in charge of advising all undergraduate and another is in charge of advising all graduate students. This process has created consistency in advising and assuring that students follow program road maps. In addition, they have a faculty advisor in charge of career development and advice for construction management students. Through obtaining internships for students and organizing bi-annual career fares, all students have opportunities to apply and interview for internship and permanent positions from construction companies.

- **Describe the key issues and/or concerns that were central to the five-year year review process and how the department/program plans to address them:** The programs in Construction Management just recently (2017-18) achieved accreditation and have continued to address any concerns of maintaining such a program in a newly designed School of Engineering. The 5-year review gives extensive accounts of assessments, external review comments and thorough data to support all claims made for achieving PLOs.

- **Note the program’s vision for the next five years and what the program hopes to accomplish.** The BS/ MS programs in Construction Management have outlined thorough strategies for meeting all accreditation demands and those of becoming a School of Engineering in the College of Sciences at CSU East Bay. Please reference the full 5-year review for extensive data that supports their goals and achievements.

- **Provide concrete steps on how the program plans to achieve its vision in the next five years.** The 5-year review provides extensive attention to next steps in accrediting programs (page 28 of the review provides a clear graphic that displays their assessment process and methods of program improvement).

4.0: CAPR Recommendation(s) for Continuation of the Program – *please refer to the CAPR policy document as needed [https://www.csueastbay.edu/faculty/senate/files/docs/policies/12-13-new-policy-page/capr-academic-program-review-16-17capr7-and-17-18capr5-prez-approved-5-9-18.pdf](https://www.csueastbay.edu/faculty/senate/files/docs/policies/12-13-new-policy-page/capr-academic-program-review-16-17capr7-and-17-18capr5-prez-approved-5-9-18.pdf)

Based on an elaborate and thorough 5-year review submitted by the faculty representing the BS/ MS in Construction Management, CAPR recommends this program continue without modification. This program has provided thorough evidence for the achievement of all components listed in the description of continuation without modification (see below)

- **Continuation without modification** (from page 4, of capr-academic-program-review-16-17)
  - responsive to previous five-year review, including progress towards goals
identified in the previous plan and external reviewer recommendations;
  o a strategic plan for the next five years;
  o on-going and consistent assessment of program learning outcomes;
  o act on assessment results, i.e. has an iterative assessment process;
  o discusses data and its implications for the program;
  o closes the loop on assessment;
  o program is addressing any achievement gaps;
  o five-year reviews and annual reports are completed in a timely fashion;
  o program is effectively meeting demand for majors and providing service courses (where applicable);
  o program is maintaining an appropriate density of tenure-track faculty;
  o program is continuing to graduate students regularly.

5.0 Summary:
As part of the executive summary for Spring 2019, the CAPR liaison, Dr. Michele A. Korb, recommends this program, BS/MS in Construction Management, for continuation without modification based on thorough evidence for all requirements of this recommendation.

This CAPR review was approved by: (Computer Science Chair, CAPR, January 2019)