**DATE:** December 1, 2014

**TO:** Viviana Vladutescu, Chair

College Council Curriculum Committee

**FROM:** Curriculum Subcommittee

Jennett M. Ingrassia (Chair), Kimberly Strickler and Yu Wang

**RE:** Final Report for Proposal 14-09, Modifications to the AAS in Construction Management and Civil Engineering Technology Programs

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**Proposal Overview:**

The Construction Management and Civil Engineering Department would like to strengthen all of its programs to include both AAS programs in Civil Engineering and Construction Management Technology as well as the Bachelor of Technology in Construction Technology. In addition, the CMCE Department has determined that the American Council for Construction Education (ACCE) is no longer the most desired accrediting body for the department. As a result, the department will be pursuing ABET accreditation, the premier accrediting body who has recently begun to accredit programs such as this.

The proposal includes the following changes to existing courses:

**1.** **AAS Civil Engineering**

- Deleted CMCE 1155 (2 credits).

- Increased both CMCE 1211 (was 1210) and CMCE 2416 (was 2415) by 1 credit each.

**2.** **AAS Construction Management Technology**

- Deleted CMCE 1155 (2 credits)

- Removed the requirement for a CMCE Elective (3 credits)

- Increased each of the following by one credit each:

CMCE 1211 (was 1210)

CMCE 1221 (was 1220)

CMCE 2321 (was 2320)

CMCE 2416 (was 2415)

CMCE 2421 (was 2420)

**3.** **Bachelor of Technology (B Tech) in Construction Technology**

- Deleted CMCE 1220 (2 credits)

- Deleted CMCE 2320 (2 credits)

- Added a new course CMCE 3520 (4 credits)

**4. Change in Distribution of Class vs. Lab Hours (No Change in Credit Hours)**

- CMCE 1110: 1 Class/2 Lab to 0 Class/4 Lab

- CMCE 1115: 3 Class/0 Lab to 2 Class/2 Lab

- CMCE 2306: 1 Class/2 Lab to 0 Class/4 Lab

**Rationale**

The department has determined that accreditation by the American Council for Construction Education (ACCE) for the AAS in Construction Management Technology is no longer a viable path. The Department will instead be seeking ABET Accreditation for both the AAS in Construction Management Technology and the new B Tech in Construction Technology. As a result, the Department seeks to strengthen the Construction Management course sequence (CMCE 1220, 2320 & 2420) and to bring the Construction Drawings sequence (CMCE 1110, 1210 & CMCE 2410) into better alignment with similar programs by modernizing and realigning course content. Additional changes to the curriculum are being made to further strengthen both the AAS in Civil Engineering Technology and the AAS in Construction Management Technology. The B Tech in Construction Technology will benefit from the introduction of a new required course, CMCE 3520 for matriculating Civil Engineering Technology AAS degree students. This will not require an increase in degree requirements for any program in the Department.

**Strengths**

**1.** This Proposal will serve to update, thus strengthen, all three programs by keeping them more in line with other, similar construction management programs.

**2.** The Proposal will allow the department to seek ABET accreditation which is known as the premier accrediting agency for Civil Engineering and Construction Management. ABET has only just recently begun to accredit construction management programs.

**Weaknesses**

None

**Issues and Concerns Discussed and Addressed**

Overall, the issues discussed by the subcommittee were related to the course proposal document, itself, rather than the academic concerns. Such issues included:

- Streamlining the rationale

- Editorial changes

The suggestions made were taken into consideration and the proposal document was modified to reflect the suggestions.

**Subcommittee Activities**

The subcommittee met with Professor Tony Cioffi and suggested minor modifications to include streamlining the rationale, in addition to editorial changes. A revision of the course proposal was submitted.

The subcommittee also met with the proposer, Provost Bonne August, Associate Provost Pamela Brown, Dean Kevin Hom, and Kim Cardascia. Further modifications were suggested and were also incorporated in the final version of the proposal. These modifications included the following:

- Additional editorial changes

- Editing of the syllabi to reflect the current edition of textbooks

- A notation on syllabi for courses not yet accredited by ABET (CMCE 1231, 2321, 2416, and 3520) to indicate that ABET Criteria was utilized in the formation of student learning objectives.