DATE: April 20, 2015

TO: Viviana Vladutescu, Chair

College Council Curriculum Committee

FROM: Curriculum Subcommittee

Alexis Chaconis, Asm Delowar Hossain, Masato R. Nakamura (Chair),

RE: Final Report for New Course Proposal, Introduction to Computer Engineering Technology EMT 1240 (EMT technical elective offered for PTech)

**COURSE TITLE AND NUMBER:** Introduction to Computer Engineering Technology, EMT 1240 (EMT technical elective offered for PTech)

**CREDIT HOURS:** 4 Credits, 3 Class hours, 3 Lab Hours.

**PREREQUISITES:** Pre-requisite: CST 1100

**Catalog Description**

Introduction to basic electrical theory, semiconductor devices, digital electronics, and applications. Topics cover key fundamentals of electrical quantities, digital logic, and digital computer basics. Hands-on laboratory experience reinforces the students learning and provides opportunity to transfer theory learned in lecture to practical applications.

**Strengths**

There is enough structure to achieve both general education and student learning outcomes as well as to introduce students to understand the fundamentals of Electromechanical Engineering Technology (EMT) and Computer Information Systems (CST). Also this course structure gives the new opportunity to P-TECH students and provide smooth transitions from the P-TECH program to AAS programs, which is very important for students to learn these topics efficiently.

**Weaknesses**

None.

**Issues and Concerns Discussed**

1. Course Learning Outcomes and Assessment Measures were modified
2. Catalogue Description and Course Outline were described in detail.
3. Proposal Rationale was more precisely described.
4. The relationship between this course and other courses in P-TECH program was discussed.

**Subcommittee activities**

The subcommittee conducted an interview with Professor Yu Wang on March 26. An interview was conducted on Monday, March 30 with Provost Bonne August, Associate Provost Pamela Brown, Kim Cardascia, and Professor Yu Wang. Small modifications were suggested, and a revised version was submitted on March 30, 2015. The final version was updated on April 20.