Engineering, Science, and Technology
Curriculum Subcommittee
Minutes (April 16th, 2015)

Subcommittee Chair: Tom Vasko (Engineering)
Subcommittee Secretary: Betsy Dobbs-McAuliffe (Biomolecular Sciences)

Members present:

Ruth Rollin (Biology), Betsy Dobbs-McAuliffe (Biomolecular Sciences), Steve Watton (Chemistry and Biochemistry), Xiabing Hou (Computer Electronics and Graphics Technology), Sangho Park (Computer Electronics and Graphics Technology), Chad Williams (Computer Science), Paul Karpuk (Curriculum Committee chair), Tom Vasko (Engineering), Marian Anton (Mathematical Science), Anton Naumov (Physics and Engineering Physics)

Guests:

Beth Merenstein (Sociology), Xiaoping Shen (International Studies), Myrna Garcia-Brown (TAP representative), Carol Ciotto (Physical Education and Human Performance), Catherine Fellows (Physical Education and Human Performance)

Meeting Called to Order at 12:20 pm by T. Vasko.

Minutes of March 12, 2015 meeting approved. (Watton / Dobbs)

I. **Unfinished Business**

Physics and Engineering Physics

3. Program revision: Major in Physics, B.S.
   (**deferred** to the main meeting, Williams / Watton)

II. **New Business**

Biology

4. TAP-FIRC Biology Transfer Articulation Pathway and Degree Program
   (**approved**, Williams / Watton)

Biomolecular Sciences

5. Course revision: BMS 102
   Change description to: Introduction to cell physiology and basic metabolism (including the fundamentals of molecular genetics) and the organization, structure, and function of

animal tissues and organ systems. Designed for Biomolecular Sciences majors, no credit given for students with credit for BMS 111 or BIO 111.

6. Course revision: BMS 111
   Change description to: An overview of the structure and function of the cell and its metabolism. Topics include genetics and molecular mechanisms underlying cellular structure and function, and the workings of the major organ systems in maintaining the overall health of an individual. No credit given to students with credit for BIO 111 or BMS 102. Cannot be used to meet requirements for the major or minor in Biomolecular Sciences.
   (5 and 6 **approved** as amended, Watton / Williams)

7. Course revision: BMS 496
   Change title to: Capstone in Cellular Metabolism and Energetics
   Change description to: For advanced undergraduates. Study of the biochemical reactions that sustain life in connection to their role in biological systems. Structure and function of biomolecules. Bioenergetic principles involved in the synthesis and degradation of biological macromolecules. Integration and regulation of metabolic pathways will be discussed.
8. Course deletion: BMS 497
9. Course revision: BMS 506
   Change title to: Cellular Metabolism and Energetics
   Change description to: For entering graduate students. Study of the biochemical reactions that sustain life in connection to their role in biological systems. Structure and function of biomolecules. Integration and regulation of metabolic pathways will be discussed. This is a bridge course with BMS 496. No credit given to students with previous credit for BMS 496.
   (7, 8. 9 **approved** as amended, Watton / Williams)

<u>Community Engagement</u>

46. Program Revision: Community Engagement Minor
    (**approved,** Watton / Williams)

<u>Finance</u>

57. Course Revision: FIN 295 Managerial Finance
    (**approved,** Dobbs/ Watton)

<u>International and Area Studies</u>

79. Course Revision: IS 570 Modern World Issues
80. Program Revision: Major in International and Area Studies, B.A.
    (79, 80 **approved,** Dobbs / Hou)

Manufacturing and Construction Management

82. Course Revision: MFG (MM) 216 Manufacturing Processes
83. Course Revision: TM 464 Six Sigma Quality
84a. Program Revision: B.S. in Manufacturing Management
84b. Program Revision: B.S. in Robotics and Mechatronics Engineering Technology
(82-84b **not considered** no representative)

Physical Education and Human Performance

94. Program Addition: Dance Education Program: B.S. n Education, Dance Education K-12 (**approved**, Watton/ Williams)

Respectfully Submitted,
Betsy Dobbs-McAuliffe (Biomolecular Sciences)