

STEM Division Curriculum Committee  
Meeting 2PM Tuesday April 18  
Room 4402

## Minutes

1. Curriculum Sheets Action
  - Several curriculum sheets contained links to the PSME division site. They should all now link to the STEM division site.
  - We removed references to discontinued courses, including especially ENGL 1S, which appeared on several curriculum sheets as a language competency.
  - Nine curriculum sheets approved
    - Math
      - No changes
    - Non-Credit Bridge to Math
      - Indicate non-credit hours, not quarter units
    - Biochemistry
      - Added this as the final sentence in the description:
        - Foothill College provides a welcoming and supportive environment that will prepare students well for the mastery of concepts and laboratory skills in the biochemistry AS degree program.
      - Objectives modified to be more specific
    - Chemistry
      - Department faculty rewrote & modernized program description
      - Updated one objective
      - Retained existing PHYS 4 sequence track
      - Added option for the PHYS 2 sequence
    - Biology
      - Rewrote description based on STEM division reorganization
    - Computer Science
      - 8 certificates of achievement
      - No substantive changes
    - Engineering
      - Rewrote some of the program description
      - Add ENGR 28 Intro to Bioengineering to optional support courses
      - Planning to remove "recommended preparatory courses" in next curriculum cycle
    - Enterprise Networking
      - Per STEM Dean Zach Cembellin, no changes are necessary
    - General Studies Science
      - Added several new courses: ENGR 28, MATH 40A, CS
    - Physics
      - No changes

2. Title 5 Updates Discussion
- STEM CC is in touch with academic departments for courses in need of update. Title 5 updates start with dept faculty. Ron will contact Chem and CS, Patrick Math, and Sarah Engineering Physics & Astronomy.
  - Textbook refresh does not require dept approval, but a new representative text needs dept approval
  - CC reps can actuate
  - Articulation, esp w/COR changes
  - Dean
  - STEM CC
  - On track for June completion
3. New Course Proposals Action
- ENGR 38: Semiconductor Devices & Circuits
    - no action taken
  - ENGR 41A: Vacuum Systems
    - added prereq: CHEM 1A
    - Approved
  - ENGR 61A: Intro to Semiconductor Technology
    - Approved
  - ENGR 101A: Advanced Manufacturing
    - Non-transferrable workforce survey course
    - Approved
4. Program mapping Discussion
- Natalie Lattieri contacted STEM CC about program maps, with word that need to be approved at STEM CC level.
  - STEM CC prefers to solicit feedback from departments prior to approving their program maps as a committee
  - CHEM has a map, the AS degree plus a suggested schedule of courses
  - There's a program map for each degree program, with detailed quarterly courses to take, for a two-year program. Ron will respond to Natalie & get the information we need.