This report describes activity from May 10, 2015 through May 9, 2016.

Course Approvals and Modifications
New courses and course modifications were approved by the SoE Curriculum Committee for the following courses. All changes were submitted to the SoE Faculty for approval via consent agenda.

COMP80
COMP99
COMP117
COMP118
COMP177
COMP299
EM153
ES65
ME130
ME171
ME230
ME282

Program Changes
The Committee unanimously recommended to the SoE Faculty that the second-semester calculus requirement for Engineers should be modified. The following proposal was presented to the SoE Faculty.

*Undergraduate engineers will be allowed to take either Math 34 or Math 36 to fulfill their second-level introductory math requirement. Class of 2020 degree sheets will be updated to replace “Math 36” with “Math 34 or Math 36.” Starting with the 2017 degree sheet year (current juniors), a substitution of Math 34 for Math 36 will be allowed by pro forma petition.*
Other Discussion topics

The Committee also discussed the following:

- **Semester Hour Unit Conversion:** Departments were presented with information about the number of Semester Hour Units (SHUs) that the Registrar would assign to each course during the upcoming conversion. Engineering departments will be able to petition the SoE Curriculum Committee to modify this default value. Departments provided information to the Committee to clarify how many petitions they intended to file in the 2016-2017 calendar year. The following list summarizes the number of anticipated petitions from each SoE Department.

  BME: 4  
  CEE: 8  
  CHBE: 0  
  CS: 13  
  ECE: 12  
  ENE: 7  
  ME: 3  
  TGI: 8

- **Prematriculation Credits:** The Committee explored the question of whether or not the difference between the prematriculation tables for SoE and the College of Liberal Arts were intentional. A query of historical records showed that SoE had specifically voted its own requirements for prematriculation credits in Mathematics. However, it was determined that there was no intentional decision by the SoE faculty to develop distinct requirements for prematriculation credits in other disciplines.

- **Data Sciences Major:** A proposal for a Data Sciences major was presented by the Department of Computer Sciences. Feedback was offered. The proposal is currently being revised in coordination with other Departments across AS&E.

- **Internships:** The Committee discussed how internships are implemented in the School of Engineering and their relevance to Curricular Practical Training (CPT) for international students. The discussion will continue in the next academic year, with a focus on reviewing how many times an internship credit may be repeated, as this consideration limits the number of internship opportunities that international students can pursue.

Course Deletions

Based on Departmental requests, the following courses were removed from the Catalog.
### Biomedical Engineering:
- **EN29** Biomedical Engineering Primer (bme)
- **EN64** Introduction To Biomedical Engineering (bme)
- **BME85** Special Projects
- **BME86** Special Projects
- **BME97** Senior Design Project
- **BME98** Senior Design Project
- **BME114** Advanced Transport (broken cross list)
- **BME164** Biomaterials & Tissue Engineering

### Civil and Environmental Engineering:
- **EN2** Engineering Graphics and CAD
- **EN5** Skyscrapers: Architecture & Engineering (cee)
- **EN20** Clean Your Room (cee)
- **EN39** Bridge Design (cee)
- **EN75** Geohazards Engineering (cee)
- **EN76** Climate Change In Engineering (cee)
- **EN80** Structural Art (cee)
- **EN81** Environmental Exposure and Human Disease
- **ES53** Integrating Engineering Econ
- **ES125** Science Atmospheric Change
- **ES157** System Analysis - Industrial Ecology
- **CEE91** Seminar
- **CEE92** Seminar
- **CEE134** Water Chemistry
- **CEE175** Hazardous Materials Safety
- **CEE222** Applied Solid Mechanics
- **CEE223** Analysis And Design Of Plates
- **CEE267** Methods In Environmental Impact Assessment
- **CEE291** Graduate Seminar

### Chemical and Biological Engineering
- **EN3** Biotechnology Engineering (chbe)
- **EN44** Microbrewery Engineering (chbe)
- **EN45** Your Car - A Collection Of Functional Materials (chbe)
- **CHBE1** Chemical Engineering
- **CHBE2** Introduction To Chemical Engineering II

### Computer Science
- **EN47** Exploring Computer Science (comp)
- **COMP 14**
- **COMP132** Decision Theory And Artificial Intelligence
- **COMP200** Certifica College Teach
- **COMP201** Certifica College Teach
- **COMP202** Certifica College Teach
- **COMP232** Advanced Knowledge-based Systems
**Electrical and Computer Engineering**

EN31  Exploring Laser Light (ece)
EN35  History Of Radio Technology (ece)
EN61  The Wireless Revolution (ece)
EN62  Engineering Entrepreneurship (ece)
EN70  Microelectronics Revolution And Beyond (ece)
EN73  Music & The Art Of Engineering (ece)
EN74  Introductory Image Processing
EE65  Music Recording And Production  [[ Note: Related to RFA for ES65 ]]  
EE146  Principles Of Communication Satellites
EE215  Computer Architecture And Organization
EE250  Biomedical Engineering
EE291  Graduate Seminar
EE292  Graduate Seminar

**Mechanical Engineering**

EN10  Simple Robotics (me)
EN11  New Product Design
EN14  The Way Things Work (me)
EN15  Usability Engineering  (Engineering Psychology, ME)
EN17  Materials, Design And Manufacturing (me)
EN34  Biomechanics & Materials In Medicine (me)
EN43  Gourmet Engineering (me)
EN77  Comparative Biomechanics
ES118  Advanced Data Acquisition
ENP181  Fuzzy Sets And Genetic Algorithms
ME11  Thermodynamics Applied To Sustainable Energy
ME19  Project Lab
ME38  Vibration And Mach Dynamics
ME45  Power And Propulsion
ME65  Applied Fluid Mechanics
ME120  Advanced Engineering Materials
ME135  Applied Machinery Vibration
ME136  Noise And Vibration Control
ME166  Compressible Fluid Mechanics
ME182  Automation
ME185  Manufacturing Process Automation
ME186  Electromechanical Systems Design
ME212  Computational Thermal-fluid Dynamics
ME213  Radiative Transfer
ME221  Advanced Solid Mechanics
ME222  Applied Solid Mechanics
ME268  Multiphase Fluid Mechanics
ME285  Thermal Manufacturing Processes