New Course Request:

**BICH 679.** Building Scientific Relationships. (1-0). Credit 1. Addressing aspects of human element of scientific research: emotional and cultural intelligence, resiliency, team dynamics, leadership, and effective communication with others, strategies for conflict resolution and best practices for mentoring undergraduate students. Cross listed with MGMT 674. Prerequisite(s): Successful completion of one year of graduate student and affiliation with a research laboratory in life science.

**BMEN 679.** Pathologic Basis of Implantable Devices. (3-0). Credit 3. Understanding the relationship that clinical presentation has for patients with primary heart disease; inflammation and repair, systeming pathology emphasis on cardiovascular disease, and the implantable device intervention as a therapeutic adjunct in the heart. Prerequisite(s): Graduate classification or approval of instructor. Prerequisite(s): Graduate classification or approval of instructor.

**ECEN 767.** Harnessing Solar Energy: Optics, Photovoltaics and Thermal Systems. (3-3). Credit 4. Solar radiation characteristics and measurement; optical coatings including reflection, transmission, absorption and emissivity; concentrating optics, tracking and etendue limit; photovoltaic cells, modules and systems overview; introduction to solar thermal systems. Prerequisite(s): Graduate classification or approval of instructor.

**MEEN 660.** Corrosion Engineering. (3-0). Credit 3. Aqueous corrosion phenomena of the mixed potential theory; basics of electrochemical reactions; corrosion measurement; surface engineering and protection; case studies. Prerequisite(s): MEEN 360, 475, or Graduate classification.

**MEEN 669.** Alternative Energy Conversion. (3-0). Credit 3. Design and analysis of alternative energy conversion processes and systems that are based on converting energy directly (e.g. fuel cells, photovoltaics), utilizing non-combustible heat sources (e.g. geothermal, ocean gradients, solar, and nuclear fission and fusion) and obtaining energy from the environment (e.g. wind, hydroelectric, ocean tides and waves). Prerequisite(s): Graduate classification.

**MGMT 674.** Building Scientific Relationships. (1-0). Credit 1. Addressing aspects of human element of scientific research: emotional and cultural intelligence, resiliency, team dynamics, leadership, and effective communication with others, strategies for conflict resolution and best practices for mentoring undergraduate students. Cross listed with BICH 679. Prerequisite(s): Successful completion of one year of graduate student and affiliation with a research laboratory in life science.

**SCSC 628.** Soil Mineralogy Lab. (0-4). Credit 2. Mineral identification and quantification techniques involving theory and practice with x-ray diffraction, electron microscopy (SEM and TEM). Fourier transform infrared spectroscopy, and chemical methods. Prerequisite(s): SCSC 626: Soil Mineralogy.

**SOCI 683.** Professional Writing and Publication. (3-0). Credit 3. Provides instruction in professional writing skills, socialization in academic publishing and peer review. Prerequisite(s): Graduate classification in Sociology and having a completed paper that is ready to be work-shopped and revised.
Graduate Council Report  
September 3rd, 2015

**Course Change Requests:**

**CVEN 666: Foundation Structures**  
**COURSE CREDITS**

**From:** (3-0). Credit 3.

**To:** (2-3). Credit 3.

**ECON 630: Microeconomic Theory II**  
**COURSE CREDITS**

**From:** (4-0). Credit 4

**To:** (3-0). Credit 3

**HISP 602: Spanish Applied Linguistics**  
**PREREQUISITE(S)**

**From:** HISP 600

**To:** Graduate classification

**PSYC 684: Professional Internship**  
**ADDITION: CREDIT HOURS OPTION**

**To:** Include a zero credit hour option

**SCSC 626: Soil Mineralogy**  
**COURSE DESCRIPTION AND COURSE CREDIT**

**From:**  
**Course Description:** Crystal structures and properties of important minerals in soil and sediments especially clay minerals and oxides combined with identification techniques involving theory and practice with x-ray diffraction, electron microscopy, infrared and chemical methods  
**Course Credit:** (3-2). Credit 5.

**To:**  
**Course Description:** Crystal structures and properties of important minerals in soils and sediments especially clay minerals and oxides. Applications of the minerals in agriculture, engineering, industry, environment, toxicology, and geology.  
**Course Credit:** (3-0). Credit 3.
Graduate Council Report
September 3rd, 2015

Special Consideration Items:

Texas A&M University Law School
   THECB SCH Change in Semester Credit Hours
   Master of Jurisprudence
   Master of Jurisprudence in Intellectual Property