



To: Faculty Senate
From: Missouri S&T Campus Curricula Committee
Re: Meeting on April 3, 2013

The Missouri S&T Campus Curricula Committee recommends to the Faculty Senate that the curriculum changes and degree proposals on the following DC forms be approved.

- DC #0454, Electrical and Computer Engineering, Bachelor of Science in Electrical Engineering, effective Fall 2013.
- DC #0455, Electrical and Computer Engineering, Bachelor of Science in Electrical Engineering, effective Fall 2013.
- DC #0456, Electrical and Computer Engineering, Bachelor of Science in Computer Engineering, effective Fall 2013.
- DC #0467, Psychological Science, Bachelor of Arts in Psychology and Bachelor of Science in Psychology, effective Fall 2013.
- DC #0468, Psychological Science, Bachelor of Science in Psychology and Bachelor of Science in Psychology with Secondary Education Emphasis, effective Fall 2013.
- DC #0471, Information Science and Technology, Minor in Digital Supply Chain Management, effective Fall 2013.
- DC #0473, Mechanical and Aerospace Engineering, Bachelor of Science in Mechanical Engineering, effective Fall 2013.

The Missouri S&T Campus Curricula Committee recommends to the Faculty Senate that the course changes on the following CC forms be approved.

- CC #8307, Explosives Engineering 411, Research Methods, effective Fall 2013.
- CC #8370, Computer Engineering 202, Cooperative Engineering Training, effective Fall 2013.
- CC #8371, Electrical Engineering 202, Cooperative Engineering Training, effective Fall 2013.
- CC #8372, Electrical Engineering 205, Electromechanics, effective Fall 2013.
- CC #8373, Electrical Engineering 207, Power System Design and Analysis, effective Fall 2013.
- CC #8374, Electrical Engineering 208, Electromechanics Laboratory, effective Fall 2013.
- CC #8375, Electrical Engineering 209, Power System Design and Analysis Laboratory, effective Fall 2013.
- CC #8376, Electrical Engineering 215, Discrete Linear Systems, effective Fall 2013.
- CC #8377, Electrical Engineering 216, Discrete Linear Systems Laboratory, effective Fall 2013.

- CC #8378, Electrical Engineering 218, Continuous Linear Systems Laboratory, effective Fall 2013.
- CC #8380, Geological Engineering 352, International Engineering and Design, effective Spring 2014.
- CC #8381, Mining Engineering 411, Research Methods, effective Fall 2013.
- CC #8382, Architectural Engineering 204, Architectural Design II, effective Fall 2013.
- CC #8383, Architectural Engineering 203, Architectural Design I, effective Fall 2013.
- CC #8384, Electrical Engineering 217, Continuous Linear Systems, effective Fall 2013.
- CC #8387, Ceramic Engineering 103, Introduction to Glass Science & Technology, effective Fall 2013.
- CC #8388, Ceramic Engineering 122, Ceramic Materials Laboratory II – Glass & Ceramic Processing, effective Fall 2013.
- CC #8389, Ceramic Engineering 222, Applied Glass Forming, effective Fall 2013.
- CC #8390, Ceramic Engineering 231, Ceramic Processing Lab I, effective Fall 2013.
- CC #8391, Ceramic Engineering 242, Ceramic Processing Lab II, effective Fall 2013.
- CC #8392, Ceramic Engineering 251, Phase Equilibria, effective Fall 2013.
- CC #8393, Ceramic Engineering 369, Glass Science & Engineering, effective Fall 2013.
- CC #8394, Ceramic Engineering 284, Electrical Properties of Ceramics, effective Fall 2013.
- CC #8395, Ceramic Engineering 306, Mechanical Properties of Ceramics, effective Fall 2013.
- CC #8396, Ceramic Engineering 396, Glass Science & Engineering, effective Fall 2013.
- CC #8397, Ceramic Engineering 371, Dielectric & Electrical Properties of Oxides, effective Fall 2013.
- CC #8398, Metallurgical Engineering 315, Metallurgical Process Design Principles, effective Fall 2013.
- CC #8399, Metallurgical Engineering 316, Metallurgical Design Project, effective Fall 2013.
- CC #8400, Metallurgical Engineering 318, Principles for Microstructural Design, effective Fall 2013.
- CC #8401, Metallurgical Engineering 332, Metals Treatment Laboratory, effective Fall 2013.
- CC #8402, Metallurgical Engineering 354, Electrical Systems and Controls for Materials, effective Fall 2013.
- CC #8403, Metallurgical Engineering 365, Microfabrication Materials and Processes, effective Fall 2013.
- CC #8404, Metallurgical Engineering 385, Mechanical Metallurgy, effective Fall 2013.

- CC #8405, Metallurgical Engineering 403, High Temperature and Corrosion Resistant Alloys, effective Fall 2013.
- CC #8408, Metallurgical Engineering 125, Chemistry of Materials, effective Fall 2013.
- CC # 8409, Metallurgical Engineering 202, Extractive Metallurgy Lab, effective Fall 2013.
- CC #8410, Metallurgical Engineering 203, Introduction to Extractive Metallurgy, effective Fall 2013.
- CC #8411, Metallurgical Engineering 204, Transport Phenomena in Metallurgy, effective Fall 2013.
- CC #8412, Metallurgical Engineering 215, Fundamentals of Materials Behavior, effective Fall 2013.
- CC #8413, Metallurgical Engineering 217, Metals Microstructural Development, effective Fall 2013.
- CC #8425, Mining Engineering 476, Sustainability In Mining, effective Fall 2013.
- CC #8426, Mining Engineering 424, Underground Mine Design, effective Fall 2013.
- CC #8427, Mining Engineering 426, Surface Mine Design, effective Fall 2013.
- CC #8443, Metallurgical Engineering 221, Principles of Materials Processing, effective Fall 2013.
- CC #8444, Ceramic Engineering 259, Thermodynamics of Materials, effective Fall 2013.
- CC #8448, Ceramic Engineering 291, Characterization of Inorganic Solids, effective Fall 2013.
- CC #8449, Metallurgical Engineering 307, Metals Casting, effective Fall 2013.
- CC #8450, Metallurgical Engineering 329, Material Selection, Fabrication & Failure, effective Fall 2013.
- CC #8451, Metallurgical Engineering 331, Steels and Their Treatment, effective Fall 2013.
- CC #8452, Metallurgical Engineering 355, Process Metallurgy Applications, effective Fall 2013.
- CC #8453, Metallurgical Engineering 381, Corrosion and Its Prevention, effective Fall 2013.
- CC #8454, Engineering Management 257, Materials Handling and Plant Layout, effective Fall 2013.
- CC #8455, Mechanical Engineering 256, Materials Handling and Plant Layout, effective Fall 2013.
- CC #8456, Mechanical Engineering 316, Concurrent Engineering II, effective Fall 2013.
- CC #8457, Mechanical Engineering 315, Concurrent Engineering I, effective Fall 2013.
- CC #8458, Mechanical Engineering 381, Mechanical and Aerospace Control Systems, effective Fall 2013.

CC #8459, Mechanical Engineering 363, Principles and Practice of Computer Aided Design, effective Fall 2013.

CC #8460, Aerospace Engineering 213, Aerospace Mechanics I, effective Fall 2013.

CC #8461, Arts, Languages and Philosophy 397, Multidisciplinary Studies Capstone, effective Fall 2013.

CC #8462, Physics 382, Transport in Nanostructures: An Introduction, effective Fall 2013.

CC #8463, Electrical Engineering 339, Autonomous Mobile Robots, effective Fall 2013.

For the information of the Faculty Senate, the following EC forms have been submitted by the University departments for an experimental course that will be offered in the near future.

EC #2459, Nuclear Engineering 301, Applied Mathematics in Nuclear Engineering, effective Fall 2013.

EC #2461, Architectural Engineering 301, Passive Solar Engineering, effective Fall 2013.

EC #2462, Marketing 301, Integrated Marketing Communications, effective Summer 2013.

For full details of the above listed curriculum forms, see the April 3, 2013 meeting minutes of the Campus Curricula Committee at: <http://registrar.mst.edu/currcom/ccmeetings/>.



Daniel Tauritz, Chair
Missouri S&T Campus Curricula Committee