



To: Faculty Senate
From: Missouri S&T Campus Curricula Committee
Re: Meeting on February 6, 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 #0434, Mining and Nuclear Engineering, Doctor of Philosophy in Explosives Engineering, effective Fall 2013.

DC #0442, Computer Science, Bachelor of Science in Computer Science, effective Fall 2013.

DC #0444, Civil, Architectural and Environmental Engineering, Bachelor of Science in Architectural Engineering, effective Fall 2013.

DC #0445, Business and Information Technology, Bachelor of Science in Information Science and Technology, effective Fall 2013.

DC #0446, Business and Information Technology, Bachelor of Science in Business and Management Systems, effective Fall 2013.

DC #0447, Economics, Minor in Global Sustainable Economics, effective Fall 2013.

DC #0448, Business and Information Technology, Minor in Sustainable Business, effective Fall 2013.

DC #0449, Business and Information Technology, Minor in Enterprise Resource Planning (ERP), 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 #8314, Computer Science 128, Discrete Mathematics For Computer Science, effective Fall 2013.

CC #8315, Computer Science 206, Software Engineering, effective Fall 2013.

CC #8316, Computer Science 220, Theory of Computer Science, effective Fall 2013.

CC #8317, Computer Science 228, Introduction To Numerical Methods, effective Fall 2013.



CC #8318, Computer Science 238, File Structures And Introduction To Database Systems, effective Fall 2013.

CC #8319, Computer Science 253, Algorithms, effective Fall 2013.

CC #8320, Computer Science 256, Programming Languages And Translators, effective Fall 2013.

CC #8321, Computer Science 263, Introduction to Computer Security, effective Fall 2013.

CC #8322, Computer Science 265, Computer Network Concepts And Technology, effective Fall 2013.

CC #8323, Computer Science 272, Java and Object Oriented Design, effective Fall 2013.

CC #8324, Computer Science 284, Introduction To Operating Systems, effective Fall 2013.

CC #8325, Computer Science 302, Agile Software Development, effective Fall 2013.

CC #8326, Computer Science 307, Software Testing And Quality Assurance, effective Fall 2013.

CC #8327, Computer Science 308, Object-Oriented Analysis And Design, effective Fall 2013.

CC #8328, Computer Science 325, Analysis of Algorithms, effective Fall 2013.

CC #8329, Computer Science 328, Object-Oriented Numerical Modeling I, effective Fall 2013.

CC #8330, Computer Science 329, Object-Oriented Numerical Modeling II, effective Fall 2013.

CC #8331, Computer Science 338, Database Systems, effective Fall 2013.

CC #8332, Computer Science 342, Java Gui & Visualization, effective Fall 2013.

CC #8333, Computer Science 347, Introduction To Artificial Intelligence, effective Fall 2013.

CC #8334, Computer Science 348, Evolutionary Computing, effective Fall 2013.

CC #8335, Computer Science 353, Multimedia Systems, effective Fall 2013.

CC #8336, Computer Science 356, The Structure Of A Compiler, effective Fall 2013.

CC #8337, Computer Science 358, Interactive Computer Graphics, effective Fall 2013.

- CC #8338, Computer Science 362, Security Operations & Program Management, effective Fall 2013.
- CC #8339, Computer Science 365, Computer Communications and Networks, effective Fall 2013.
- CC #8340, Computer Science 381, The Structure of Operating Systems, effective Fall 2013.
- CC #8341, Computer Science 384, Distributed Operating Systems, effective Fall 2013.
- CC #8342, Computer Science 387, Introduction to Parallel Programming and Algorithms, effective Fall 2013.
- CC #8343, Computer Science 388, Introduction to High Performance Computer Architecture, effective Fall 2013.
- CC #8344, Computer Science 397, Software Systems Development I, effective Fall 2013.
- CC #8345, Computer Science 398, Software Systems Development II, effective Fall 2013.
- CC #8346, Computer Science 406, Software Engineering II, effective Fall 2013.
- CC #8347, Computer Science 409, Software Requirements Engineering, effective Fall 2013.
- CC #8348, Computer Science 425, Algorithmics II, effective Fall 2013.
- CC #8349, Computer Science 426, Theory of Computation, effective Fall 2013.
- CC #8350, Computer Science 437, Web Data Management and XML, effective Fall 2013.
- CC #8351, Computer Science 438, Heterogeneous and Mobile Databases, effective Fall 2013.
- CC #8352, Computer Science 439, Object-Oriented Database Systems, effective Fall 2013.
- CC #8353, Computer Science 444, Advanced Topics in Data Mining, effective Fall 2013.
- CC #8354, Computer Science 447, Advanced Topics In Artificial Intelligence, effective Fall 2013.
- CC #8355, Computer Science 448, Advanced Evolutionary Computing, effective Fall 2013.
- CC #8356, Computer Science 456, Theory Of Compiling, effective Fall 2013.
- CC #8357, Computer Science 458, Computer Graphics And Realistic Modeling, effective Fall 2013.

CC #8358, Computer Science 461, Privacy Preserving Data Integration and Analysis, effective Fall 2013.

CC #8359, Computer Science 465, Advanced Topics in Wireless Networks, effective Fall 2013.

CC #8360, Computer Science 463, Computer Security, effective Fall 2013.

CC #8361, Computer Science 468, Advanced Network Security, effective Fall 2013.

CC #8362, Computer Science 484, Distributed Systems Theory And Analysis, effective Fall 2013.

CC #8363, Computer Science 487, New Trends In Massively Parallel Computing, effective Fall 2013.

CC #8364, Computer Science 431, Pervasive Computing, 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 #2449, Mathematics 401, Mathematical Dynamical Systems, effective Summer 2013.

EC #2453, Geological Engineering 301, Soil Mechanics for GeoProfessionals, effective Summer 2013.

EC #2454, Geological Engineering 301, Fundamentals of Groundwater Hydrology, effective Fall 2013.

EC #2455, Computer Science 401, Network Information Analysis, effective Fall 2013.

EC #2456, Computer Science 401, Search-Based Software Engineering, effective Fall 2013.

EC #2457, History 201, History of Christianity, effective Fall 2013.

EC #2458, French 301, Representations of Violence in 20th-Century French Culture, effective Summer 2013.

For full details of the above listed curriculum forms, see the February 6, 2013 meeting minutes of the Campus Curricula Committee at: <http://registrar.mst.edu/currcom/ccmeetings/>.



Daniel Tauritz, Chair
Missouri S&T Campus Curricula Committee