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

- File 1680.1: CER ENG 4220: Mechanical Properties of Ceramics
- File 4413: CER ENG 4410: Introduction to Integrated Computational Materials Engineering
- File 4414: CER ENG 6410: Advanced Integrated Computational Materials Engineering
- File 537.1: COMP SCI 6303: Pervasive Computing
- File 1741.1: COMP SCI 6600: Formal Methods in Computer Security
- File 2186.1: ELEC ENG 2800: Electrical Circuits
- File 90.1: ELEC ENG 3340: Basic Programmable Logic Controllers
- File 4403: ELEC ENG 5325: Applied Nonlinear Control
- File 4423: GEOLOGY 4085: Internship
- File 4424: GEOLOGY 5085: Internship
- File 4415: GEOLOGY 5681: Lidar Principles and Application
- File 4425: GEOLOGY 6085: Internship
- File 385.1: GEOLOGY 6651: Granite and Rhyolite Petrogenesis
- File 1245.3: MECH ENG 5212: Introduction to Finite Element Analysis
- File 1974.1: MET ENG 1210: Chemistry of Materials
- File 874.1: MIN ENG 1912: Principles of Mining Engineering
- File 2520.1: MIN ENG 2126: Introduction to Mining Safety
- File 2268.1: MIN ENG 2412: Principles of Mineral Processing
- File 1534.1: MIN ENG 2925: Surveying for Mineral Engineers
- File 3913: MIN ENG 3913: Mineral Identification and Exploration
- File 1944.6: MIN ENG 4096: Computer Aided Mine Design
- File 1128.7: MIN ENG 4097: Capstone Design Project
- File 2260.5: MIN ENG 4113: Mine Atmosphere Control
- File 1302.5: MIN ENG 4512: Mine Management
- File 1726.1: MIN ENG 4522: Ore Reserve Analysis and Geostatistics
- File 1145.4: MIN ENG 4912: Mine Power and Drainage
- File 1524.1: MIN ENG 4932: Underground Mining Methods and Equipment
- File 682.1: MIN ENG 4933: Surface Mining Methods and Equipment
- File 408.1: MIN ENG 5612: Principles of Explosives Engineering
- File 300.1: MIN ENG 5913: Advanced Computer Aided Mine Design
- File 134.1: NUC ENG 4259: Licensing of Nuclear Power Plants
- File 2371.1: NUC ENG 4496: Nuclear System Design I
- File 4421: PET ENG 2002: Cooperative Work Training
The Missouri S&T Campus Curricula Committee recommends to the Faculty Senate that the course and degree requirement changes requested on the following DC forms be approved:

- File 146.17: BIO SC-BA: Biological Sciences BA
- File 16.21: CHEM-BS: Chemistry BS
- File 28.16: CMP SC-BS: Computer Science BS
- File 29.9: CMP SC-MI: Computer Science Minor
- File 149.21: CR ENG-BS: Ceramic Engineering BS
- File 242: PROPOSED: Latin American Studies for Technical Applications Minor
- File 95.16: MI ENG-BS: Mining Engineering BS
- File 169.7: MI ENG-MS: Mining Engineering MS
- File 90.24: MT ENG-BS: Metallurgical Engineering BS
- File 192.15: PSYCH-BA: Psychology BA
- File 193.17: PSYCH-BS: Psychology BS

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:

- File 4405: CIV ENG 5001.001: Wind Engineering
- File 4404: CIV ENG 6001.005: Soil Mechanics for Unsaturated Soils
- File 4412: CIV ENG 6001.006: Understanding Rheology of Cement-Based Materials
- File 4419: COMP ENG 6001.001: Advanced Computational Intelligence
- File 4410: COMP SCI 5001.001: Introduction to Deep Learning
- File 4409: COMP SCI 5001.002: Introduction to Machine Learning
- File 4397: ELEC ENG 5001.005: Design and Innovation for Engineers
- File 4418: ELEC ENG 6001.003: Advanced Computational Intelligence
- File 4401.3: ENGLISH 3001.004: Costa Rica in Text
- File 4399: GEO ENG 5001.002: Research Methods in Groundwater and Surface Water
- File 4398: PET ENG 6001.006: Advanced Digital Applications in Petroleum Engineering
- File 4422: PET ENG 6001.005: Flow through Porous Media
- File 4420: PET ENG 6001.007: Numerical Methods for Reservoir Simulation

Steve Raper was tentatively elected to be the Chair of the Campus Curricula Committee for 2017-18.

The Campus Curricula Committee proposes that the following resolution be adopted by the Faculty Senate for inclusion into all undergraduate engineering degree requirements:

The degree program shall include a minimum of 21 credit hours as follows:
- ENGLISH 1120
- HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200
- ECON 1100 or ECON 1200
- Communication Elective: ENGL 1160 or ENGL/TCH COM 1600 or ENGL 3560 or SP&M 1185
- The remaining minimum of 9 additional credit hours must be chosen from disciplines in the humanities and social sciences. *Humanities courses are defined as those in: Art, English and Technical Communication, Etymology, Foreign Languages, Music, Philosophy, Speech and Media Studies, and Theatre. Social Sciences courses are defined as those in: Economics, History, Political Science, and Psychology. Some curricula may require the completion of a specified number of upper-level Humanities/Social Sciences (H/SS) courses. Upper-level H/SS courses are defined as those at the 2000-level or above, and that require as a prerequisite the successful completion of a lower-level H/SS course. Study abroad courses may count as upper-level H/SS courses, even if they do not have a prerequisite. H/SS courses numbered 2001, 3001, and 4001 (experimental courses) may also be used to complete these elective requirements.

Courses in business, education, information science and technology, or any other discipline not listed above will not satisfy the humanities/social sciences elective requirement, although such courses may count toward general education requirements. Transfer credits from other universities in sociology and general humanities may count as humanities or social science electives.

*ENGL 1160, ENGL/TCH COM 1600, ENGL 3560, and SP&M 1185 do not count toward the remaining minimum of 9 additional credit hours in humanities/social sciences electives.

For full details of the above listed curriculum forms, see the May 9, 2017 meeting minutes of the Campus Curricula Committee at: http://registrar.mst.edu/currcom/cccmeetings/.

Ilene H. Morgan, Chair
Missouri S&T Campus Curricula Committee