



**To: Faculty Senate**  
**From: Missouri S&T Campus Curricula Committee**  
**Re: May 8, 2019 Meeting**

**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: 4406.5	BUS 5230: Financial Statement Analysis
File: 4282.12	CHEM ENG 3131: Separations in Chemical and Biochemical Engineering
File: 998.1	CIV ENG 3330: Engineering Fluid Mechanics
File: 1992.1	CIV ENG 3334: Water Resources Engineering
File: 841.1	CIV ENG 4448: Fundamentals Of Contracts And Construction Engineering
File: 110.6	COMP SCI 1200: Discrete Mathematics for Computer Science
File: 4616	COMP SCI 1500: Computational Problem Solving
File: 468.1	COMP SCI 1570: Introduction To C++ Programming
File: 2418.1	COMP SCI 3610: Computer Networks
File: 184.4	COMP SCI 3800: Introduction to Operating Systems
File: 4619	COMP SCI 4090: Software Engineering Capstone I
File: 4620	COMP SCI 4091: Software Engineering Capstone II
File: 637.1	COMP SCI 4610: Computer Security
File: 118.3	EDUC 2102: Educational Psychology
File: 898.6	ELEC ENG 5210: Fourier Optics
File: 2566.6	FINANCE 5160: Corporate Finance II
File: 2190.8	FINANCE 5260: Investments I
File: 1781.1	GEO ENG 3249: Fundamentals Of Computer Applications In Geological Engineering
File: 1052.1	GEO ENG 5381: Intermediate Subsurface Hydrology And Contaminant Transport Mechs
File: 1532.1	MIL AIR 1110: Air Force Heritage and Values I
File: 1390.1	MIL AIR 1120: Air Force Heritage and Values II
File: 418.1	MIL AIR 2110: Team and Leadership Fundamentals I
File: 1092.1	MIL AIR 2120: Team and Leadership Fundamentals II
File: 419.1	MIL AIR 3110: Leading People & Effective Communication I
File: 1093.1	MIL AIR 3120: Leading People & Effective Communication II
File: 420.1	MIL AIR 4110: National Security, Leadership Responsibilities & Commissioning Preparation I
File: 748.1	MIL AIR 4120: National Security, Leadership Responsibilities & Commissioning Preparation II



File: 4087.3	NUC ENG 4577: Nuclear Forensics and Radiochemistry
File: 4623	NUC ENG 5577: Advanced Nuclear Forensics and Radiochemistry
File: 4189.4	PET ENG 3320: Petrophysics
File: 1045.2	PET ENG 3330: Well Logging
File: 2614.1	PET ENG 3520: Petroleum Reservoir Engineering
File: 285.1	PET ENG 4097: Petroleum Engineering Design
File: 1671.6	PET ENG 4311: Reservoir Characterization
File: 1299.1	PET ENG 4431: Well Completion Design
File: 1266.1	PET ENG 4611: Secondary Recovery Of Petroleum
File: 919.1	PET ENG 4720: Mechanical Earth Modeling
File: 2142.1	PET ENG 4811: Offshore Petroleum Technology
File: 4175.2	PET ENG 6431: Advanced Well Completion Design
File: 79.1	PET ENG 6621: Advanced Applied Reservoir Simulation

**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: 142.43	AP MATH-BS: Applied Mathematics BS
File: 237.20	BIOMED-MI: Biomedical Engineering Minor
File: 28.44	CMP SC-BS: Computer Science BS
File: 29.11	CMP SC-MI: Computer Science Minor
File: 161.5	CP ENG-MS: Computer Engineering MS
File: 162.2	CP ENG-PHD: Computer Engineering PhD
File: 163.5	EL ENG-MS: Electrical Engineering MS
File: 164.2	EL ENG-PHD: Electrical Engineering PhD
File: 46.11	ENG MG-MS: Engineering Management MS
File: 58.15	FINANCE-MI: Finance Minor
File: 156.24	GE ENG-BS: Geological Engineering BS
File: 64.25	GL&GPH-BS: Geology and Geophysics BS
File: 70.4	GLBLSTD-MI: Global Studies Minor
File: 108.29	PE ENG-BS: Petroleum Engineering BS
File: 115.30	PHYSIC-BS: Physics BS
File: 172.3	PHYSIC-MS: Physics MS
File: 215.1	PHYSIC-PHD: Physics PhD
File: 192.33	PSYCH-BA: Psychology BA
File: 193.29	PSYCH-BS: Psychology BS
File: 131.13	SYS EN-PHD: Systems Engineering PhD
File: 140.8	SYS ENG-MS: Systems Engineering MS

**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: 4628	CHEM ENG 5001.005: AIChE Design Competition
File: 4629	CHEM ENG 5001.006: Chemical Process Modeling and Analysis
File: 4627	CHEM ENG 5001.007: Renewable Energy Processes
File: 4621	CIV ENG 5001.003: Base Courses in Pavements
File: 4596	COMP SCI 5001.003: Game Theory for Computing
File: 4598	COMP SCI 5001.004: Introduction to Virtual Reality
File: 4597	COMP SCI 6001.003: Algorithmic Game Theory
File: 4595	COMP SCI 6001.004: Introduction to Quantum Computing
File: 4622	GEOPHYS 6001.001: Advanced Geophysical Data Analysis
File: 4626	MATH 5001.002: Introduction to Finite Element Methods
File: 4625	MATH 6001.005: Discontinuous Galerkin Methods for Solving Partial Differential Equations
File: 4632	MATH 6001.006: Numerical Analysis in Computational Fluid Dynamics
File: 4630	PET ENG 4001.006: Reservoir Engineering Aspects of Unconventional Oil and Gas
File: 4631	PET ENG 6001.011: Advanced Reservoir Engineering Aspects of Unconventional Oil and Gas
File: 4617	PHYSICS 6001.001: Random Processes and Wave Coherence

**The new course proposal, *CHEM ENG 5240: Pharmaceutical Engineering*, was not approved due to low enrollment as an experimental course per the Chancellor's No. II-30 policy.**

**The new course proposal, *NUC ENG 5577: Advanced Nuclear Forensics and Radiochemistry*, was approved as required of the proposed Nuclear Nonproliferation Graduate Certificate. The Campus Curricula Committee advises that it is not customary practice to approve a required, new course proposal for a graduate certificate that is pending approval.**

**The degree form, CP ENG-BS Computer Engineering, was approved to remove the listing of ELEC ENG 3411 from Footnote 9.**

**For full details of the above listed curriculum forms, see the May 8, 2019 meeting minutes of the Campus Curricula Committee at: <http://registrar.mst.edu/currcom/ccmeetings/>**



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**Stephen A. Raper, Chair  
Missouri S&T Campus Curricula Committee**