

PS ID#	Old course #	Current Title	Cross-listed	Current unit	New course #	Updated unit	Effective date	Comments/Additional Changes
018029	APPL ---	APPL General Elective	none	Applied Sciences	APPL ---	Applied Physical Sciences	fall 2014	
024777	APPL 089	First Year Seminar: Special Topics	none	Applied Sciences	BMME 089	Biomedical Engineering	fall 2014	
019939	APPL 150	Introduction to Materials Science	none	Applied Sciences	BMME 150	Biomedical Engineering	fall 2014	
022195	APPL 160	Statics	none	Applied Sciences	BMME 160	Biomedical Engineering	fall 2014	
016825	APPL 210	BME Design and Manufacturing I	none	Applied Sciences	BMME 210	Biomedical Engineering	fall 2014	
024289	APPL 310	BME Design and Manufacturing II	none	Applied Sciences	BMME 310	Biomedical Engineering	fall 2014	
019940	APPL 341	Thermodynamics and Kinetics Applied to Solids	none	Applied Sciences	BMME 341	Biomedical Engineering	fall 2014	
020862	APPL 390	Special Topics in Materials Science	none	Applied Sciences	APPL 390	Applied Physical Sciences	fall 2014	
015269	APPL 395	Research in Applied Sciences and Engineering for Undergraduates	none	Applied Sciences	BMME 395	Biomedical Engineering	fall 2014	
018030	APPL 396	Independent Study in Applied Sciences	none	Applied Sciences	BMME 396	Biomedical Engineering	fall 2014	Change title
018031	APPL 410	Systems and Signals	none	Applied Sciences	BMME 410	Biomedical Engineering	fall 2014	
012584	APPL 420	Introduction to Polymer Chemistry	CHEM 420	Applied Sciences	APPL 420	Applied Physical Sciences	fall 2014	
001355	APPL 421	Synthesis of Polymers	CHEM 421, MTSC 421	Applied Sciences	APPL 421	Applied Physical Sciences	fall 2014	
001673	APPL 422	Physical Chemistry of Polymers	CHEM 422, MTSC 422	Applied Sciences	APPL 422	Applied Physical Sciences	fall 2014	
001365	APPL 423	Intermediate Polymer Chemistry	CHEM 423, MTSC 423	Applied Sciences	APPL 423	Applied Physical Sciences	fall 2014	
024778	APPL 425	Bioelectricity	none	Applied Sciences	Inactivate		fall 2014	Per Rich Goldberg
018032	APPL 430	Digital Signal Processing I	none	Applied Sciences	Inactivate		fall 2014	Inactivate APPL 430 and only offer BMME 530
018034	APPL 450	Linear Control Theory	none	Applied Sciences	Inactivate		fall 2014	Per Rich Goldberg
021870	APPL 465	Biomedical Instrumentation I	none	Applied Sciences	BMME 465	Biomedical Engineering	fall 2014	Rich would like to keep this course active
012587	APPL 470	Fundamentals of MTSC	CHEM 470	Applied Sciences	APPL 470	Applied Physical Sciences	fall 2014	
012039	APPL 472	Chemistry and Physics of Electronic Materials Processing	PHYS 472, MTSC 472, CHEM 472	Applied Sciences	APPL 472	Applied Physical Sciences	fall 2014	

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013553	APPL 473	Chemistry and Physics of Surfaces	CHEM 473, MTSC 473	Applied Sciences	APPL 473	Applied Physical Sciences	fall 2014	
021871	APPL 480	Microcontroller Applications I	none	Applied Sciences	Inactivate		fall 2014	Per Rich Goldberg
087038	APPL 490	Special Topics	none	Applied Sciences	Inactivate		fall 2014	Per Rich Goldberg
013742	APPL 491L	Materials Laboratory I	PHYS 491L	Applied Sciences	APPL 491L	Applied Physical Sciences	fall 2014	
013743	APPL 492L	Materials Laboratory II	PHYS 492L	Applied Sciences	APPL 492L	Applied Physical Sciences	fall 2014	
018044	APPL 510	Biomaterials	none	Applied Sciences	Inactivate		fall 2014	Inactivate APPL 510 and only offer BMME 510
013552	APPL 520L	Polymer Chemistry Laboratory	CHEM 520L	Applied Sciences	APPL 520L	Applied Physical Sciences	fall 2014	Different course title than BMME 520, but this is okay.
025210	APPL 691H	Honors Thesis	none	Applied Sciences	BMME 691H	Biomedical Engineering	fall 2014	
025211	APPL 692H	Honors Thesis	none	Applied Sciences	BMME 692H	Biomedical Engineering	fall 2014	
021872	APPL 697	Senior Design Project I	none	Applied Sciences	BMME 697	Biomedical Engineering	fall 2014	
021514	APPL 698	Senior Design Project II	none	Applied Sciences	BMME 698	Biomedical Engineering	fall 2014	
087795	BMME ---	BMME GENERAL ELECTIVE	none	Biomedical Engineering	BMME ---	no change		
024793	BMME 490	Special Topics in Biomedical Engineering	none	Biomedical Engineering	BMME 490	no change		
011747	BMME 505	Biomechanics	none	Biomedical Engineering	BMME 505	no change		
011748	BMME 510	Biomaterials	none	Biomedical Engineering	BMME 510	no change	fall 2014	Delete "BMME 589" in prereq. statement (inactive course)
021533	BMME 515	Introduction to Systems Biology	none	Biomedical Engineering	BMME 515	no change		
013830	BMME 520	Fundamentals of Materials Engineering	none	Biomedical Engineering	BMME 520	no change		
003129	BMME 530	Digital Signal Processing I	none	Biomedical Engineering	BMME 530	no change		
012567	BMME 550	Medical Imaging I: Ultrasonic, Optical, and Magnetic Resonance Systems	none	Biomedical Engineering	BMME 550	no change	fall 2014	Change "BMME 430" to "BMME 530" in preq. statement
024990	BMME 551	Medical Device Design I	none	Biomedical Engineering	BMME 551	no change		
025226	BMME 552	Medical Device Design II	none	Biomedical Engineering	BMME 552	no change		

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012760	BMME 560	Medical Imaging II: X-Ray, CT, and Nuclear Medicine Systems	none	Biomedical Engineering	BMME 560	no change		
002030	BMME 565	Biomedical Instrumentation I	none	Biomedical Engineering	BMME 565	no change		
011022	BMME 580	Microcontroller Applications I	none	Biomedical Engineering	BMME 580	no change		
024795	BMME 581	Microcontroller Applications II	none	Biomedical Engineering	BMME 581	no change		
014891	BMME 740	Advanced Biomaterials	MTSC 740	Biomedical Engineering	BMME 740	no change		
012569	BMME 770	Physiology and Methods in Genomics	none	Biomedical Engineering	BMME 770	no change	fall 2014	Delete "BMME 570" from prereq. statement (inactive course)
012762	BMME 775	Image Processing and Analysis	COMP 775	Biomedical Engineering	BMME 775	no change	fall 2014	Change "STAT 435" to "STOR 435" in preq statement.
020223	BMME 790	Graduate Systems Physiology	none	Biomedical Engineering	BMME 790	no change		
020224	BMME 795	Information Processing in the Central Nervous System	none	Biomedical Engineering	BMME 795	no change		
012891	BMME 810	Digital Nuclear Imaging	none	Biomedical Engineering	BMME 810	no change		
022053	BMME 840	Rehabilitation Engineering Design	none	Biomedical Engineering	BMME 840	no change		
002785	BMME 890	Special Topics	none	Biomedical Engineering	BMME 890	no change		
002786	BMME 900	Research in Biomedical Engineering and Biomathematics	none	Biomedical Engineering	BMME 900	no change		
006835	BMME 993	Master's Thesis	none	Biomedical Engineering	BMME 993	no change		
003131	BMME 994	Doctoral Dissertation	none	Biomedical Engineering	BMME 994	no change		
087807	MTSC ---	MTSC General Elective	none	Material Science	MTSC ---	Applied Physical Sciences	fall 2014	
001355	MTSC 421	Synthesis of Polymers	APPL 421, CHEM 421	Material Science	Inactivate		fall 2014	Per Peter Mucha
001673	MTSC 422	Physical Chemistry of Polymers	APPL 422, CHEM 422	Material Science	Inactivate		fall 2014	Per Peter Mucha
001365	MTSC 423	Intermediate Polymer Chemistry	APPL 423, CHEM 423	Material Science	Inactivate		fall 2014	Per Peter Mucha

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012039	MTSC 472	Chemistry and Physics of Electronic Materials Processing	APPL 472, CHEM 472, PHYS 472	Material Science	Inactivate		fall 2014	Per Peter Mucha
013553	MTSC 473	Chemistry and Physics of Surfaces	APPL 473, CHEM 473	Material Science	Inactivate		fall 2014	Per Peter Mucha
002556	MTSC 573	Introductory Solid State Physics	PHYS 573	Material Science	APPL 573	Applied Physical Sciences	fall 2014	Per Peter Mucha
020118	MTSC 615	Structure of Solids	none	Material Science	MTSC 615	Applied Physical Sciences	fall 2014	
004692	MTSC 715	Visualization in the Sciences	COMP 715, PHYS 715	Material Science	MTSC 715	Applied Physical Sciences	fall 2014	
020119	MTSC 720	Materials Fabrication	none	Material Science	MTSC 720	Applied Physical Sciences	fall 2014	
020120	MTSC 730	Statistical Thermodynamics	none	Material Science	MTSC 730	Applied Physical Sciences	fall 2014	
020121	MTSC 735	Techniques in Materials Science	none	Material Science	MTSC 735	Applied Physical Sciences	fall 2014	
014891	MTSC 740	Advanced Biomaterials	BMME 740	Material Science	MTSC 740	Applied Physical Sciences	fall 2014	
021029	MTSC 750	Kinetics, Diffusion, and Phase Transitions of Materials	none	Material Science	MTSC 750	Applied Physical Sciences	fall 2014	
020438	MTSC 810	Device Physics and Electronic Properties of Solids	none	Material Science	MTSC 810	Applied Physical Sciences	fall 2014	
020439	MTSC 820	Optical Properties of Solids	none	Material Science	MTSC 820	Applied Physical Sciences	fall 2014	
020440	MTSC 830	Ion-Solid Interactions	none	Material Science	MTSC 830	Applied Physical Sciences	fall 2014	
020441	MTSC 840	New Technologies and Device Architecture	none	Material Science	MTSC 840	Applied Physical Sciences	fall 2014	
004545	MTSC 871	Solid State Physics	PHYS 871	Material Science	MTSC 871	Applied Physical Sciences	fall 2014	
002557	MTSC 872	Solid State Physics	PHYS 872	Material Science	MTSC 872	Applied Physical Sciences	fall 2014	
020122	MTSC 891	Special Topics in Material Science	none	Material Science	MTSC 891	Applied Physical Sciences	fall 2014	
021807	MTSC 992	Master's (Non-Thesis)	none	Material Science	MTSC 992	Applied Physical Sciences	fall 2014	
020123	MTSC 993	Master's Thesis	none	Material Science	MTSC 993	Applied Physical Sciences	fall 2014	
020124	MTSC 994	Doctoral Dissertation	none	Material Science	MTSC 994	Applied Physical Sciences	fall 2014	