

# Materials Science and Engineering Undergraduate Course Schedule

## Spring Term (2214)

Required Courses						
<u>Subj./Catlg#</u>	<u>Class #</u>	<u>Course</u>	<u>Units</u>	<u>Days</u>	<u>Time</u>	<u>Room</u>
ENGR 0022	12885	Materials Structure & Properties	3	MWF	12:10-1:00pm	Benedum G30
	12886	<i>recitation</i>	0	Tu	11:00-11:50am	Benedum G29
ENGR 0135	12825	Statics & Mechanics of Materials 1	3	MWF	3:25-4:15pm	Benedum 318
ENGR 0145	12821	Statics & Mechanics of Materials 2	3	MWF	3:25-4:15pm	
MEMS 0031	14375	Electrical Circuits	3	MWF	5:30-6:20pm	WWPH 5001
MEMS 0031	25408	Electrical Circuits	3	MWF	8:55-9:45am	Chevron 150
MEMS 0040	14376	Materials & Manufacturing	3	MWF	4:30-5:20pm	
	14377	<i>recitation</i>	0	Tu	8:55-9:45am	Alumni 112
MEMS 0040	25050	Materials & Manufacturing	3	MWF	1:15-2:05pm	Barco Law 113
	25051	<i>recitation</i>	0	Tu	8:55-9:45am	Lawrence 121
MEMS 0048	27702	Thermodynamics of Materials	3	MWF	2:20-3:10pm	
MEMS 1011	15431	Structure & Properties Lab	3	TuTh	1:15-4:05pm	Benedum G24
MEMS 1028	15448	Mechanical Design 1	3	MWF	1:15-2:05pm	
MEMS 1043	16530	Senior Design Project	3	TuTh	11:05-12:30pm	Benedum 318
MEMS 1063	28687	Phase Transformations	3	MWF	3:25-4:15pm	Benedum 226
MEMS 1070	15726	Mechanical Behavior of Materials	3	TuTh	9:25-10:40am	Benedum G30
MEMS 1079	16532	Senior Materials Research Project	1-3	TuTh	2:20-5:10pm	
MEMS 1085	14379	Departmental Seminar	0	Tu	10:00-10:50am	web based

† Department Consent Required

‡ Instructor Consent Required

Electives						
<u>Subj./Catlg#</u>	<u>Class #</u>	<u>Course</u>	<u>Units</u>	<u>Days</u>	<u>Time</u>	<u>Room</u>
ENGR 1050†	12827	Product Realization†	3	Tu	6:00-8:35pm	Benedum G27
ENGR 1090P†	25041	Engineering Cooperative Program†	1			
ENGR 1701	12993	Fundamentals of Nuclear Reactors	3	W	6:30-9:00pm	
MEMS 1097†	16533	Special Projects†	1-3	TBA	TBA	
MEMS 1098†	16534	Special Projects II†	1-3	TBA	TBA	
MEMS 1101	16395	Ferrous Physical Metallurgy	3	MWF	10:00-10:50am	Benedum G24
MEMS 1103	16535	Princ. & Appls of Steel Process/Design	3	MWF	8:55-9:45am	Benedum G24
MEMS 1111	30088	Materials for Energy Gen & Storage	2	Th	5:00-7:30pm	Barco Law Court
MEMS 1130	32583	Intro to Additive Mfg of Materials	3	F	2:20-4:50pm	Alumni 112
BIOENG 1071	12984	Intro to Cell Biology 2	3	MWF	11:05-11:55am	
	17676	<i>recitation</i>	0	Tu	7:50-8:40am	Benedum G27
	12985	<i>recitation</i>	0	Tu	8:55-9:45am	Benedum G27
	13008	<i>recitation</i>	0	Tu	12:10-1:00pm	Benedum G27
	20899	<i>recitation</i>	0	Tu	4:30-5:20pm	Benedum G27
	20900	<i>recitation</i>	0	Tu	5:30-6:20pm	Benedum G27
CHEM 0310		Organic Chemistry 1	3			<i>See Class Search/Browse Catalog on my.pitt.edu</i>
CHEM 0320		Organic Chemistry 2	3			<i>See Class Search/Browse Catalog on my.pitt.edu</i>
CHEM 1600	10339	Synthesis & Characterization of Polymers	3	MW	3:25-4:40pm	

*For the Biomaterials option, BIOSCI 0105 and 0106 can be substituted for BIOENG 1070 and 1071. CHEM 0310 Organic Chemistry 1 is also recommended, but not required.*

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Communications Skills Electives						
<u>Subj./Catlg#</u>	<u>Class #</u>	<u>Course</u>	<u>Units</u>	<u>Days</u>	<u>Time</u>	<u>Room</u>
COMMRC 0500		Argument	3		<i>See Class Search/Browse Catalog on my.pitt.edu</i>	
COMMRC 0520		Public Speaking	3		<i>See Class Search/Browse Catalog on my.pitt.edu</i>	
ENGCMP 0400		Written Professional Communication	3		<i>See Class Search/Browse Catalog on my.pitt.edu</i>	
ENGCMP 0600	27901	Introduction to Technical Writing	3	TuTh	2:50-4:05pm	CL 206
ENGCMP 0600	24989	Introduction to Technical Writing	3	TuTh	4:30-5:45pm	WWPH 5401