

Materials Science and Engineering Undergraduate Course Schedule

Spring Term (2244)

Required Courses						
Subj./Catlg#	Class #	Course	Units	Days	Time	Room
ENGR 0021	29118	Probability and Statistics for Engineers	3	TuTh	2:30-3:45pm	G31 Benedum
	29135	<i>recitation</i>	3	F	9:00-9:50am	G31 Benedum
ENGR 0021	29139	Probability and Statistics for Engineers	3	TuTh	9:30-10:45am	G31 Benedum
	29140	<i>recitation</i>	3	F	12:00-12:50pm	G31 Benedum
ENGR 0135	12523	Statics & Mechanics of Materials 1	3	MWF	3:00-3:50pm	318 Benedum
ENGR 0145	12519	Statics & Mechanics of Materials 2	3	MWF	3:00-3:50pm	157 Benedum
MEMS 0041	31441	Materials Processing	3	MWF	4:00-4:50pm	352 CL
	31442	<i>recitation</i>	0	Tu	4:00-4:50pm	227 Benedum
MEMS 0048	24745	Thermodynamics of Materials	3	MWF	2:00-2:50pm	5404 WWPH
MEMS 1011	14344	Structure & Properties Lab	3	TuTh	1:00-3:50pm	G24 Benedum
MEMS 1028	14358	Mechanical Design 1	3	MWF	1:00-1:50pm	157 Benedum
MEMS 1043	15283	Senior Design Project	3	TuTh	11:00am-12:25pm	318 Benedum
MEMS 1063	25500	Phase Transformations	3	MWF	3:00-3:50pm	226 Benedum
MEMS 1070	14596	Mechanical Behavior of Materials	3	TuTh	9:30-10:45am	G30 Benedum
MEMS 1079	15285	Senior Materials Research Project	1-3	TuTh	2:00-4:50pm	TBA
MEMS 1085	13579	Departmental Seminar	0	W	10:00-10:50am	121 Lawrence
MEMS 1086	28100	MSE Seminar	0	F	11:00-11:50am	G31 Benedum
† Department Consent Required			‡ Instructor Consent Required			

Electives							
Subj./Catlg#	Class #	Course	Units	Days	Time	Room	
ENGR 1050†	12524	Product Realization†	3	Tu	<i>see next page for instructions</i>		
ENGR 1090P†	22656	Engineering Cooperative Program†	1				
ENGR 1701	12679	Fundamentals of Nuclear Reactors	3	W	6:00-8:30 pm	11 Thaw	
MEMS 1048	31473	Analysis & Characterization at the Nano Scale	3	MWF	11:00-12:15pm	205 Lawrence	
MEMS 1074	32085	Nanomaterials and Biomolecular Assembly	3	TuTh	6:00-7:30pm	139 CL	
MEMS 1097†	15286	Special Projects†	1-3	TBA			
MEMS 1098†	15287	Special Projects II†	1-3	TBA			
MEMS 1105	32295	Steelmaking and Sustainability	3	M	5:30-8:00pm	300 OEH	
MEMS 1130	31476	Intro to Additive Mfg of Materials	3	W	4:00-6:25pm	226 Benedum	
MEMS 1163	27891	Ceramic Materials	3	Th	4:00-6:30pm	G36 Benedum	
MEMS 1165	31474	Materials Design	3	Tu	4:00-6:30pm	158 Benedum	
ENGR 1453	27694	Data Science: Stat Learning, Modeling & Prediction	3	TuTh	11:30am-12:45pm	1047 Benedum	
BIOENG 1071	12670	Intro to Cell Biology 2	3	MWF	11:00-11:50am	157 Benedum	
	12671	<i>recitation</i>	0	Tu	9:00-9:50am	G27 Benedum	
	12691	<i>recitation</i>	0	Tu	12:00-12:50pm	G29 Benedum	
	19281	<i>recitation</i>	0	Tu	4:00-4:50pm	G29 Benedum	
	19282	<i>recitation</i>	0	Tu	5:00-5:50pm	G27 Benedum	
	26983	<i>recitation</i>	0	Tu	10:00-10:50am	G24 Benedum	
	32106	<i>recitation</i>	0	Tu	11:00-11:50am	G36 Benedum	
	32107	<i>recitation</i>	0	Tu	12:00-12:50pm	226 Benedum	
	32108	<i>recitation</i>	0	Tu	5:00-5:50pm	226 Benedum	
	32128	<i>recitation</i>	0	Tu	4:00-4:50pm	A215 PH	
	32129	<i>recitation</i>	0	Tu	10:00-10:50am	300 OEH	
	BIOENG 1075	23942	Intro to Cell & Molecular Biology Lab Techniques	3	Tu	4:00-5:55pm	3200 WWPH
		23943	<i>recitation</i>	0	F	1:00-4:00pm	TBA

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Electives (cont.)

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	10309	Synthesis & Characterization of Polymers	3	MW	3:00-4:15pm	228 Eberly

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.

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>
ENGCOMP 0400		Written Professional Communication	3			<i>See Class Search/Browse Catalog on my.pitt.edu</i>
ENGCOMP 0401	24626	Written Prof. Comm.: Topics in Diversity	3	TuTh	2:30-3:45pm	G18 CL
ENGCOMP 0401	24627	Written Prof. Comm.: Topics in Diversity	3	TuTh	9:30-10:45am	
ENGCOMP 0412		Engineering Comm. in a Professional Context	3			<i>See Class Search/Browse Catalog on my.pitt.edu</i>
ENGCOMP 0600	24875	Introduction to Technical Writing	3	Tu	6:00-8:30pm	226 CL
ENGCOMP 0600	22618	Introduction to Technical Writing	3	TuTh	4:00-5:15pm	202 CL

ENGR 1050

To add this class, you will need permission from the instructor. Please email Dr. Winter (ewinter@pitt.edu) and let him know your academic level and reason why you are interested in the class.