

Mechanical Engineering Undergraduate Course Schedule

Fall Term (2241)

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	12381	Materials Structure & Properties	3	MWF	10:00-10:50am	157 Benedum
	12569	<i>recitation</i>	0	M	5:00-5:50pm	L9 Clapp
	12731	Materials Structure & Properties	3	MWF	9:00-9:50am	123 Victoria
	12732	<i>recitation</i>	0	M	5:00-5:50pm	L9 Clapp
ENGR 0135	12536	Statics & Mechanics of Materials 1	3	MWF	12:00-12:50pm	1500 WWPH
	23046	Statics & Mechanics of Materials 1	3	MWF	12:00-12:50pm	G31 Benedum
	12537	Statics & Mechanics of Materials 1	3	MWF	2:00-2:50pm	G29 Benedum
	12538	Statics & Mechanics of Materials 1	3	W	5:00-7:30pm	157 Benedum
ENGR 0145	12549	Statics & Mechanics of Materials 2	3	MWF	2:00-2:50pm	318 Benedum
MEMS 0024	13830	Intro to Mechanical Engineering Design	3	Tu	4:00-5:50pm	157 Benedum
	15835	lab	0	Tu	12:00-1:50pm	318 Benedum
	15836	lab	0	F	3:00-4:50pm	318 Benedum
	22938	lab	0	Tu	6:00-7:50pm	318 Benedum
	21814	lab	0	Th	5:30-7:30pm	318 Benedum
MEMS 0071	19874	Introduction to Fluid Mechanics	3	MWF	1:00-1:50pm	157 Benedum
MEMS 1014	13832	Dynamic Systems	3	MWF	11:00-11:50am	157 Benedum
MEMS 1028	13833	Mechanical Design 1	3	MWF	2:00-2:50pm	232 CL
MEMS 1041	15280	Mechanical Measurements 1	3	MW	3:00-3:50pm	157 Benedum
	15281	lab	0	Tu	8:00-10:50am	SB23 Benedum
	15282	lab	0	Tu	12:00-2:50pm	SB23 Benedum
	15283	lab	0	Tu	3:00-5:50pm	SB23 Benedum
	15284	lab	0	Th	8:00-10:50am	SB23 Benedum
	15285	lab	0	Th	12:00-2:50pm	SB23 Benedum
	20959	lab	0	Th	3:00-5:50pm	SB23 Benedum
	23422	lab	0	W	4:00-6:50pm	SB23 Benedum
MEMS 1042	15277	Mechanical Measurements 2	3	TuTh	9:00-9:50am	318 Benedum
	15278	lab	0	Th	10:00-11:50am	SB27 Benedum
	15279	lab	0	Th	1:00-2:50pm	SB27 Benedum
	16318	lab	0	Tu	2:00-3:50pm	SB27 Benedum
	16346	lab	0	Tu	12:00-1:50pm	SB27 Benedum
MEMS 1043	15272	Senior Design Project	3	WF	11:00-12:15am	318 Benedum
MEMS 1052	13835	Heat and Mass Transfer	3	TuTh	4:00-5:15pm	232 CL
MEMS 1085	17167	Departmental Seminar	0	F	10:00-10:50am	L9 Clapp

Technical Electives

ENGR 0240	17016	Nanotechnology and Nano-Engineering	3	MW	4:30-5:45pm	G37 Benedum
ENGR 1029 ⁺	26944	Introduction to Engineering for Humanity	3	MW	3:00-4:15pm	5203 WWPH
ENGR 1030 ⁺	21310	Eng. for Humanity Service Learning Project	1 to 3	<i>by appointment</i>		TBD
ENGR 1050 ⁺	12550	Product Realization	3	Tu	6:00-8:30pm	117 Victoria
ENGR 1090P ⁺	22737	Engr. Cooperative Program	1	<i>permission granted by the co-op office</i>		
ENGR 1700	21385	Introduction to Nuclear Engineering	3	MW	4:30-5:45pm	1500 WWPH
ENGR 1702	12640	Nuclear Plant Technology	3	Th	6:00-8:30pm	157 Benedum
ENGR 1905	22235	Current Issues in Sustainability	3	MW	4:30-5:45pm	205 Lawrence
MEMS 1010	13831	Exp Methods in Materials Science & Eng	3	TuTh	1:00-3:50pm	G27 Benedum
MEMS 1012	29806	Computational Materials Science	3	Th	1:00-3:30pm	A214 Langley
MEMS 1016	30036	Nonlinear Dynamical Systems 1	3	M	12:30-3:00pm	138 GSCC
MEMS 1030	15270	Material Selection	3	MWF	3:00-3:50pm	G24 Benedum

Technical Electives (cont.)

MEMS 1038	22496	Fundamentals of Eng Projects	1	Tu	3:00-3:50pm	318 Benedum
MEMS 1045	15273	Automatic Controls	3	TuTh	10:00-11:15am	318 Benedum
MEMS 1047	15286	Finite Element Analysis	3	M	4:30-6:50pm	G31 Benedum
MEMS 1051	13834	Applied Thermodynamics	3	MWF	10:00-10:50am	123 Victoria
MEMS 1053	16725	Structure of Crystals & Diffraction	3	MWF	1:00-1:50pm	G28 Benedum
MEMS 1057	15274	Micro/Nano Manufacturing	3	MWF	2:00-2:50pm	G36 Benedum
MEMS 1058	13836	Electromagnetic Properties of Materials	3	MWF	12:00-12:50pm	G24 Benedum
MEMS 1059	16726	Phase Equilibria in Multi-Comp. Mat'ls	3	MWF	9:00-9:50am	G37 Benedum
MEMS 1071	27422	Applied Fluid Mechanics	3	MWF	1:00-1:50pm	G24 Benedum
MEMS 1080	31810	Powder Processing of Materials	3	Th	4:00-6:25	407 CL
MEMS 1097†	15275	Special Projects	1 to 3	<i>by appointment</i>		
MEMS 1098†	15834	Special Projects	1 to 3	<i>by appointment</i>		
MEMS 1104	32133	Adv Phys Metallurgy of Nonferrous Alloys	3	Tu	4:00-6:30pm	G37 Benedum
MEMS 1111	29223	Materials for Energy Generation and Storage	3	W	4:00-6:30pm	363 CL
MEMS 1121	22470	Simulation Workshop	1	M	12:00-12:50pm	318 Benedum
MEMS 1140	30028	Programming w/Python & Matlab for Engineers	1	Th	3:00-3:50pm	318 Benedum
MEMS 1142	31729	Applied Data Science for Engineers	1	W	10:00-10:50am	318 Benedum
MEMS 1183	32310	Intoduction to Additive Manufacturing	3	W	10:00a-12:30pm	226 Benedum

† Department Consent Required

‡ Instructor Consent Required

Communication 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	15308	Argument	3	TuTh	1:00-2:15pm	G28 CL
	30017	Argument	3	TuTh	1:00-2:15pm	325 Thackeray
	16962	Argument	3	MWF	2:00-2:50pm	149 CL
	27170	Argument	3	TuTh	4:00-5:15pm	204 CL
	21261	Argument	3	TuTh	4:00-5:15pm	302 CL
	23041	Argument	3	TuTh	9:30-10:45am	321 Thackeray
	10957	Argument	3	MW	4:30-5:45pm	111 Victoria
	21991	Argument	3	TuTh	8:00-9:15am	227 CL
	23812	Argument	3	Tu	6:00-8:30pm	349 CL
	10121	Argument	3	Th	6:00-8:30pm	G16 CL
	23626	Argument	3	M	6:00-8:30pm	3121C PH
	17203	Argument	3	Tu	6:00-8:30pm	306 CL
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	26124	Written Prof. Comm. - Topics in Diversity	3	MW	4:30-5:45 pm	304 CL
ENGCOMP 0600	22173	Introduction to Technical Writing	3	W	6:00-8:30pm	317 CL
	23880	Introduction to Technical Writing	3	TuTh	9:30-10:45am	313 CL