

CONNECTED DEGREE CURRICULUM Suggested Course Sequence

Bachelors Degree Program: BA Physics, MU

Master's Degree Program: MMSE, UD

Millersville University of PA	CR	UNIVERSITY OF DELAWARE	CR	
FIRST SEMESTER (fall)		SEVENTH SEMESTER (fall)		
List all courses by number and complete title and credits in appropriate semesters				
MATH 161	Calculus I	4	MSEG 608: Structure and Prop. of Materials I	3
CHEM 111	Intro Chemistry I	4	MSEG 803: Equilibria in Materials Systems	3
ENGL 110	Intro Composition	3	{MSEG 640: Applied Quant. Mech. (Hard mat.)	3
UNIV 103	Freshman Seminar	3	{Or	
WELL 175	Wellness	3	{Technical Elective (soft materials/composites)	3
SECOND SEMESTER (spring)		MSEG Seminar Series		0
PHYS 231	Physics I with Calculus	5		
MATH 211	Calculus II	4	EIGHTH SEMESTER (spring)	
CHEM 112	Intro Chemistry II	4	MSEG 609: Structure and Prof. of Materials II	3
COMM 100	Fund of Speech	3	MSEG 804: Kinetics in Materials Systems	3
			Technical Elective (all tracks)	3
			MSEG Seminar Series	0
THIRD SEMESTER (fall)				
PHYS 232	Physics II with Calculus	5	NINTH SEMESTER (fall)	
MATH 311	Calculus III	4	{MSEG 832: Polymer Synthesis (soft mat/comp)	3
Gen Ed Course (D)		3	{Or	
Gen Ed Course		3	{MSEG 841: Solid State Materials I (hard mat.)	3
			Technical Elective (All tracks)	3
FOURTH SEMESTER (spring)		Technical Elective (All tracks)		3
PHYS 233	Theory Wave/Part	3	MSEG Seminar Series	0
PHYS 266	Electronics	3		
PHYS 334	Macro/Thermodyn	3	TENTH SEMESTER (spring)	
MATH 365	Ordinary Differential Equations	3	{MSEG 835: Polymer Physics	3
Gen Ed Course (P)		3	{MSEG 833: Polymer Synth. Lab (soft mat)	3
FIFTH SEMESTER (fall)				
PHYS 311	Mechanics I	3	{MSEG 842: Solid State Materials II (hard mat.)	3
PHYS 335	Quantum Sys/Stat	3	{Technical Elective (hard mat)	3
PHYS 351	Intermediate Lab I	1	{Or	
PHYS 492	Research & Seminar	2	{MSEG 817: Composite Materials (comp. track)	3
Gen Ed Course		3	{Technical Elective (comp track)	3
Gen Ed Course		3	Technical Elective (all tracks)	3
SIXTH SEMESTER (spring)		MSEG Seminar Series		0
PHYS 321	Electromag. Fields I	3		
PHYS 498	Ind. Study/Research	1		
ENGL 3XX	Advanced Writing	3		
Gen Ed Course		3		
Gen Ed Course		3		
Elective		3		
Credit Total		94	Credit Total (non-thesis)	36
Notes:				