

Associates of Pre-Engineering Guidesheet 2007-08

Course	Course title	Credit	Offered	Pre-requisite
Gen Ed courses				
ENGR 1010	Engineering in the 21 st Century	3	F/S	
CHEM 1210/15	Chemical Principles I & lab	5	F/M	Math 1050 or h.s. chemistry
MATH 1210	Calculus I	4	F/S/M	C in Math 1050 & 1060
Core Courses				
CSIS 1400	Fundamentals of Programming	3	F/S	C in Math 1010 or ACT of 23 in math
ENGR 2010	Statics	3	F	ENGR 1010, Math 1210 & Phys 2210
ENGR 2030	Dynamics	3	S	ENGR 2010
ENGR 2140/45	Strength of Materials/Lab	3	S	ENGR 2010
ENGR 3000	Thermodynamics	3	F	Phys 2220 & pre/co-req Math 2210
Additional Engineering Courses				
MATH 1220	Calculus II	4	F/S/M	C in Math 1210 or H.S. AP calculus
MATH 2270	Linear Algebra w/Applications	3	F/S	Math 1220 & 1210 or 1100
MATH 2280	Differential Equations	3	S	Math 1220 & 2270
PHYS 2210/15	Physics for Scientists & Engineers I w/lab	5	S	Math 1210
PHYS 2220/25	Physics for Scientists & Engineers II w/lab	5	F	PHYS 2210/15 & Math 1220

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