California State Polytechnic University, Pomona Degree Curriculum Sheet

Plan (Major) INDUSTRIAL ENGINNERING

Subplan/Option _

____ Catalog Year ___**2014 - 2015** Minimum Units Required _____

194

its	Area	Units		
	Area A Communication & Critical Thinking	12		
	1. Oral Communication			
	2. Written Communication			
,	3. Critical Thinking			
8	Area B Mathematics & Natural Sciences			
1	Select at least one lab course from subarea 1 or 2.			
:	1. Physical Science			
)	2. Biological Science			
1	3. Laboratory Activity			
1	4. Math/Quantitative Reasoning			
	5. Science & Technology Synthesis			
	Area C Humanities	16		
	1. Visual and Performing Arts			
	2. Philosophy and Civilization			
	3. Literature and Foreign Language			
	4. Humanities Synthesis			
	Area D Social Sciences	20		
1	1. U.S. History, Constitution, American Ideals			
	a. United States History			
	b. Introduction to American Government			
	2. History, Economics and Political Science			
	3. Sociology, Anthropology, Ethnic & Gender Studies			
	4. Social Science Synthesis			
ts	Area E Lifelong Understanding & Self Development	4		
	Total Units	68		
	American Institutions			
	Courses that satisfy this requirement may also satisfy GE Area D1	8		
	American Cultural Perspectives Requirement			
	Refer to catalog for list of courses that satisfy this requirement.	4		
	Course may also satisfy major, minor, GE, or unrestricted elective			
	requirements.			
	All persons who receive undergraduate degrees from Cal Poly Pomona mus			
	pass the Graduation Writing Test (GWT). The test must be taken by the quar-			
	ter following completion of 120 units for undergraduates.			

Required Core Courses		
Course		Units
Required of all students. A 2.0 cumulative GPA is ourses in order to receive a degree in the major.	required in core	
undamentals of Human Factors Engineering	IE 225/225L	3/1
Systems Engineering & Lab	IE 327/327L	3/1
Dperations Research I	IE 416	4
Dperations Research II	IE 417	4
Discrete Systems Simulation & Lab	IE 429/429L	3/1
Operations Planning and Control & Lab	IE 436/436L	2/1
ndustrial and Mfg Engr Fundamentals	IME 112	3
ndustrial and Mfg Engr Comp & Lab	IME 113/113L	2/1
Vork Analysis and Design & Lab	IME 224/224L	3/1
ndustrial Costs and Controls	IME 239	3
Probability and Statistics in Engr & Lab	IME 314/314L	3/1
Supply Chain Planning & Control	IME 326	3
acilities Planning and Material Handling & Lab	IME 331/331L	3/1
Statistical Quality Control & Lab	IME 415/415L	3/1
enior Project Seminar	IME 460	1
nalytic Geometry and Calculus II	MAT 115	4
nalytic Geometry and Calculus III	MAT 116	4
alculus of Several Variables I	MAT 214	3
alculus of Several Variables II	MAT 215	3
leme Linear Algebra and Diff Equations	MAT 224	4
ngineering Graphics I & Lab	MFE 126/126L	2/1
anufacturing Systems Processes & Lab	MFE 201/201L	3/1
tro to Computer Integrated Mfg & Lab	MFE 450/450L	3/1
eneral Physics & Lab	PHY 132/132L	3/1
eneral Physics & Lab	PHY 133/133L	3/1
	Total Units	89
Elective Core Courses		
Course		Units
ndustrial Engineering Electives**		10
*Select from approved list.		
	T , 111 1/2	
	Total Units	10

Required Support Courses				
Course				
The following required support courses should be taken to satisfy the indicated GE Requirements to achieve the minimum units to degree listed at the top of this sheet.				
General Chemistry	CHM 121	3		
General Chemistry Lab (B3)	CHM 121L	1		
General Chemistry & Lab	CHM 122/122L	3/1		
Principles of Economics (D2)	EC 201	4		
or Principles of Economics (D2)	EC 202	(4)		
Elements of Electrical Engr & Lab	ECE 231/231L	3/1		
Engineering, Society, and You & Lab (E)	EGR 100/100L	3/1		
Project Design Principles and Applications (B5)	EGR 481			
Project Design Principles and Applications (B5)	EGR 482			
Ethical Considerations in Tech and Applied Sci (C4)	IME 402			
Asset Allocation in Technical Decision Making (D4)	IME 403			
Analytic Geometry and Calculus I (B4)	MAT 114			
Vector Statics	ME 214			
Strength of Materials I	ME 218	-		
Materials Science and Engineering	MTE 207	3		
General Physics & Lab (B1, B3)	PHY 131/131L	3/1		
	Total Units	49		
Elective Support Courses				
Course		Unit		
From an approved list in consultation with an advisor		-		

From an approved list in consultation with an advisor.

Engineering Science Electives

Total Units

Name ____ Student ID