Plan (Major) CHEMICAL ENGINEERING

California State Polytechnic University, Pomona Degree Curriculum Sheet

Subplan/Option _____

Catalog Year 2015 - 2016

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Minimum Units Required

194

Name Student ID

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Required Core Courses Required Support Courses			'	General Education Requirments		IGE (G.E.
Units	Course		Units	Area	Units	Alternative)
IL 2/1 2L 2/1 3L 1 JL 3/1 JZ 4 J3 4 J4 4 J2 3 J3 4 J4 4 J2 3 J2 1 J3 1 J2 3 J2 1 J3 1 J4 4 J2 3 J2 1 J3 1 J4 4/1 J2 3/1 J4 3/1 J5L 3/1 J2 3/1 J3 2	The following required support courses should be taken the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement to achieve the maximum undified of the indicated GE requirement of the indi	en to satisfy units to de- CHM 121/121L CHM 122/122L CHM 123 CHM 314/317L CHM 315 CHM 316 ECE 231/231L IME 402 EGR 481 EGR 482 MAT 115 MAT 115 MAT 115 MAT 116 MAT 214 MAT 215 MAT 216 MAT 214 MAT 215 MAT 216 MAT 224 ME 214 MTE 207 MTE 317L ATE 401/401L PHY 131/131L	3/1 3/1 3 3/1 3 3/1 4 2 2 4 4 4 4 3 3 4 (4) 3 3 1 3/1 3/1 3/1 3/1	Area A Communication & Critical Thinking 1. Oral Communication 2. Written Communication 3. Critical Thinking Area B Mathematics & Natural Sciences Select at least one lab course from subarea 1 or 2. 1. Physical Science 2. Biological Science 3. Laboratory Activity 4. Math/Quantitative Reasoning 5. Science & Technology Synthesis Area C Humanities 1. Visual and Performing Arts 2. Philosophy and Civilization 3. Literature and Foreign Language 4. Humanities Synthesis Area D Social Sciences 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	12 16 16 20	IGE 120 4 IGE 121 4 IGE 122 4 IGE 220 4 IGE 221 4 IGE 222 4 IGE 223 4 IGE 224 4 AREA A1 4 AREA A3 4 AREA A3 4 AREA A3 4 AREA C1, C2 or C3 4 AREA C4 4 AREA C4 4 AREA D4 4 See University Catalog for information on how IGE meets GE require- ments.
			ı !	Total	68	1
			i '		T	٦
	Total Units		78	American institutions Courses that satisfy this requirement may also satisfy GE Area D1	8	
		T	···· ···]	American Cultural Perspectives Requirement		1
			<u> </u>	Refer to catalog for list of courses that satisfy this	1	1
			3	requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	4	
	101	tal Units	_ 3			-
				Pomona must pass the Graduation Writing Test (GWT). T	The test	
2L 3L 1L 22 03 04 12 3L 26 1L 22 3L 26 1L 21 3L	1L 2/1 2L 2/1 3L 1 1L 3/1 2L 3/1 02 4 03 4 11 4 12 3 13 3 2L 1 3L 1 5L 3/1 26 3 6L 1 1L 4/1 2L 3/1 3L 1 5L 3/1 63 2	Units Course 11 2/1 Course 12 2/1 General Chemistry & Lab (B3) CH 12 2/1 General Chemistry & Lab CH 12 2/1 General Chemistry & Lab CH 14 3/1 Organic Chemistry CH 15 3/1 Organic Chemistry CH 16 3/1 Organic Chemistry CH 17 Organic Chemistry CH CH 18 3/1 Organic Chemistry CH 19 4 Ch Organic Chemistry CH 11 3/1 Organic Chemistry CH CH 11 4 Analytic Geometry and Calculus I CA CH 12 3 Analytic Geometry and Calculus I CA CA 13 3 Chernial Equations Or Elem Linear Algebra and Diff Equations Corrosion and Materials Degradation & Lab M 14 4/1 Analytic Geometry and Calculus I CA Calculus of Several Variables I Calculus of Several Variables I 15 3/1 D	Units Course 1L 2/1 2L 2/1 2L 2/1 3L 1 3L 2/1 3L 1 3	UnitsCourseUnits1L2/1CourseThe following required support courses should be taken to satisfy the indicated GE requirement to achieve the maximum units to de- General Chemistry & LabGeneral Chemistry & LabCHM 121/121L 3/12L2/1General Chemistry & LabCHM 122/122L 3/13/13L1Organic Chemistry & LabCHM 314/317L 3/13/11L3/1Organic Chemistry ChemistryCHM 316 332L3/1Organic Chemistry ChemistryCHM 316 33/12L3/1Organic Chemistry ChemistryCHM 316 33/12L3/1Organic Chemistry ChemistryCHM 316 33/12L3/1Organic Chemistry ChemistryCHM 316 CHM 3163/12L3/1Organic Chemistry ChemistryCHM 316 CHM 3163/12L3/1Organic Chemistry Chemistry and Calculus 1(B4)MAT 114 MAT 11543133Calculus of Several Variables 1MAT 214 MAT 214332L1Calculus of Several Variables 1MAT 216 MAT 2143/133L1Differential EquationsMAT 224 MAT 2143/1332Seience and Engineering ab Materials Science and Engineering ab Materials Science and Engineering ab MTE 217L3/1332General Physics & Lab (B1, B3) General Physics & Lab (B1, B3)PHY 131/131L Materials Science and Engineering ab MTE 217L3/1332General Ph	Units Course Units L 2/1 General Chemistry & Lab (B3) CHM 12/1/21L 31 1 2/1 General Chemistry & Lab (B3) CHM 12/1/21L 31 1 General Chemistry & Lab CHM 12/1/21L 31 1 General Chemistry & Lab CHM 12/1/21L 31 1 General Chemistry & Lab CHM 12/1/21L 31 2L 3/1 General Chemistry & Lab CHM 12/1/21L 31 2L 3/1 General Chemistry & Lab CHM 314/37 3 2L 3/1 General Chemistry matching CHM 314/37 3 2L 3/1 Chemistry matching CHM 314/37 3 3L Analytic Geometry and Calculus II MAT 115 4 3 3L 1 Calculus of Several Var	Units Area Units Upints The following required support courses should be taken to satisfy the indicated GE requirement to achieve the maximum units to de- general Chemistry & Lab Units Area A Communication & Critical Thinking 12 2/1 General Chemistry & Lab CHM 121/121 3/1 3/1 3/1 3/1 1