California State Polytechnic University, Pomona **Dearee Curriculum Sheet** 

Plan (Major) CHEMICAL ENGINEERING

Subplan/Option \_\_\_\_\_

Catalog Year 2014 - 2015

Minimum Units Required

194

Student ID

Name

Required Core Courses			Required Support Courses		General I
Course		Units	Course	Units	Area
Required of all students. A 2.0 cumulative GPA is r courses in order to receive a degree in the major. Intro to Chemical Engineering & Lab Chemical Engineering Analysis & Lab Chemical Engineering Data Analysis and Design of Experiments Lab Stoichiometry I & Lab Stoichiometry I & Lab Chemical Engineering Thermodynamics I Chemical Engineering Thermodynamics I Chemical Engineering Thermodynamics II Kinetics and Reactor Design Momentum Transport Energy Transport Mass Transport Transport Laboratory I Transport Laboratory I Transport Laboratory II Unit Operations I & Lab Process Controls Process Controls Lab Chemical Processes Synthesis & Design I & Lab Chemical Processes Synthesis & Design II & Lab Undergraduate Project	CHE 131/141L CHE 132/142L CHE 132/142L CHE 132/142L CHE 132/142L CHE 143L CHE 201/211L CHE 202/212L CHE 302 CHE 303 CHE 304 CHE 311 CHE 312 CHE 313 CHE 312 CHE 313 CHE 322L CHE 313 CHE 322L CHE 333L CHE 425/435L CHE 443/453L CHE 442/452L CHE 443/453L CHE 443/453L CHE 463 <b>Total Units</b>	2/1 2/1 1 3/1 3/1 4 4 4 4 4 4 4 3 1 1 3/1 3/1 3/1 3/1 2 <b>62</b>	The following required support courses should be taken to satisfy the indicated GE requirement to achieve the maximum units to degree listed at the top of this sheet.General Chemistry & Lab (B3)CHM 121/121L General Chemistry & LabGeneral Chemistry & LabCHM 122/122L General Chemistry & LabOrganic Chemistry & LabCHM 314/317L Organic ChemistryOrganic ChemistryCHM 314/317L Chr 315 Organic ChemistryOrganic ChemistryCHM 316 Elements of Electrical Engineering & LabEthical Considerations in Tech and Applied Sci (C4)IME 402 IME 402Project Design Principles and Applications (B5)EGR 481 and Project Design Principles and Applications (B5)Analytic Geometry and Calculus I Analytic Geometry and Calculus IIMAT 114 MAT 115 Analytic Geometry and Calculus IIMat 214 Calculus of Several Variables IMAT 214 MAT 215 Differential EquationsDifferential EquationsMAT 214 Calculus of Several Variables IIMaterials Science and Engineering Materials Science and Engineering LabMTE 207 Materials Science and Engineering LabGeneral Physics & Lab (B1, B3)PHY 131/131L General Physics & LabGeneral Physics & LabPHY 133/133L	3/1 3/1 3 3/1 3 3/1 4 2 2 4 4 4 3 3 4 (4) 3 3 1 3/1 3/1 3/1 3/1	Area A Co 1. Ora 2. Wri 3. Crit Area B Ma Select at I 1. Phy 2. Bio 3. Lat 4. Ma 5. Sci Area C Hu 1. Visi 2. Phi 3. Lite 4. Hun Area D So 1. U.S 2. His 3. Soo 4. Soo Area E Lit Courses th
			Total Units	78	
			Elective Support Courses		American Refer to ca
			Course	Units	Course ma
			Upper Division MTE/CHE Elective	3	All persons

ation Requirements Units inication & Critical Thinking 12 munication Communication hinking natics & Natural Sciences 16 one lab course from subarea 1 or 2. Science al Science ry Activity antitative Reasoning & Technology Synthesis ities 16 d Performing Arts hy and Civilization and Foreign Language es Synthesis 20 Sciences ory, Constitution, American Ideals Inited States History ntroduction to American Government conomics and Political Science y, Anthropology, Ethnic & Gender Studies ience Synthesis 4 g Understanding & Self Development 68 **Total Units** utions isfy this requirement may also satisfy GE Area D1 8 ral Perspectives Requirement for list of courses that satisfy this requirement. 4 satisfy major, minor, GE, or unrestricted elective receive undergraduate degrees from Cal Poly Pomona must tion Writing Test (GWT). The test must be taken by the guarnpletion of 120 units for undergraduates.