## California State Polytechnic University, Pomona Degree Curriculum Sheet

Plan (Major) CHEMICAL ENGINEERING

## Subplan/Option

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Catalog Year 2017-2018
Minimum Units Required 194

## Required Support Courses Con’t.

IME 402 - Ethical Considerations in Technology and Applied Science (4) (C4) MAT 114 - Analytic Geometry and Calculus I (4) (B4)
MAT 115 - Analytic Geometry and Calculus II (4)
MAT 116 - Analytic Geometry and Calculus III (4)
MAT 214 - Calculus of Several Variables I (3)
MAT 215 - Calculus of Several Variables II (3)
MAT 216 - Differential Equations (4) or
MAT 224 - Elementary Linear Algebra and Differential Equations (4)

## ME 214-Vector Statics (3)

MTE 207 - Materials Science and Engineering (3)
MTE 317L - Materials Science and Engineering Laboratory (1)
MTE 401/401L - Corrosion and Materials Degradation (3/1)
PHY 131 - General Physics (3) (B1) and
PHY 131L - General Physics Laboratory (1) (B3)
PHY 132 - General Physics (3) and
PHY 132L - General Physics Laboratory (1)
PHY 133 - General Physics (3) and
PHY 133L - General Physics Laboratory (1)

## Total Units 78

## Elective Support Courses

Upper Division MTE/CHE Elective (3)
Total Units 3

## Interdisciplinary General Education

An alternate pattern for partial fulfillment of GE Areas A, C, D, and E available for studentsisthelnterdisciplinaryGeneralEducation(IGE)program.Studentsshould seeanadvisorforspecificGEcourseworkrequiredbytheirmajor.Studentsmustbe exempt from or score at least 147 on the EPT to qualify for IGE. Please refer to the UniversityCatalogGeneralEducationProgramsectionforadditionalinformation.

How IGE fulfills General Education Requirements:
Year Completion of IGE Courses Satisfies GE Requirements
Freshman IGE 120, IGE 121, IGE 122
AZaswellasanyzcoursesfromC1-C3
Sophomore IGE 220, IGE 221, IGE 222
D1 (8 units) and D3
Junior $\quad$ IGE 223, IGE $224 \quad$ D2 and Area E

Total Units 32

Name
Student ID

GeneralEducationRequirments
Area A Communication \& Critical Thinking (12 units)

1. Oral Communication
2. Written Communication
3. Critical Thinking

Area B Mathematics \& Natural Sciences (16 units)

1. Physical Science
2. Biological Science
3. Laboratory Activity
4. Math/Quantitative Reasoning
5. Science \& Technology Synthesis

Area C Humanities (16 units)

1. Visual and Performing Arts
2. Philosophy and Civilization
3. Literature and Foreign Language
4. Humanities Synthesis

Area D Social Sciences (20 units)

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

Area E Lifelong Understanding \& Self Development (4 units)
Total Units 68
American Institutions
Courses that satisfy this requirement may also satisfy GE Area D1

American Cultural Perspectives Requirement
RefertotheUniversityCatalogGeneralEducationProgramsectionfor
a list of courses that satisfythis requirement. Course may also satisfy major, minor, GE , or unrestricted elective requirements.

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[^0]:    AllpersonswhoreceiveundergraduatedegreesfromCalPolyPomonamustpass theGraduationWritingTest(GWT).Thetestmustbetakenbythequarterfollowing completion of 120 units for undergraduates.

