Core GE

Fall 2019 Catalog

Chemical Engineering

(120 units)

ENGL 1B (3) + Core GE & WST

ENGL 1A (3)

ENGR 10 Pre-Requisite/Co-Req.

Math 19 Readiness Required

Math 18B (3)

Math 18A (1)

Math 01 (3)

ENGR 10 (3)

GE Area E

ENGR 8 (1)

Math 19 + 19W (6)

Math 30 (3)

Of Math 30P (5)

Math 31 (4)

Math 32 (4)

Differential Equations

Math133A (3)

GE Area Z + R

ENGR 100W (3)

Statics and Analysis

CHE 162 (2)

Engineering Lab

CHE 161L (2)

Engineering Lab

ENG 50 (4)

Electricity & Magnetism

PHYS 51 (4)

Chemical Calculations

CHE 115 (3)

Thermodynamics

CHE 151 (4)

Unit Operations I

CHE 160B (4)

Unit Operations II

CHE 165A (1)

Plant Design I

CHE 165B (3)

Plant Design II

Math 50 (4)

Mechanics

MATE 25 (3)

Intro to Materials

MATH 31

General Chemistry I

CHEM 1A (5)

General Chemistry II

CHEM 1B (5)

CHEM 158 (3)

Chemical Calculations

CHEM 115 (3)

CHEM 165A (4)

Unit Operations I

CHEM 160A (4)

Unit Operations II

CHEM 158 (3)

Chemical Calculations

Critical Path

Additional Requirements:

Technical Elective Courses: (8 units)

SJSU Studies: ☑R & Z: ENGR 100W (3 units) ☐S: ______________ (3 units) ☐V: ______________ (3 units)

Disclaimer: This chart is only a reference and not an official document from the college/department. Always consult your with major advisor

Revised: Summer 2019 /Prepared by: MESA Engineering Program—SJSU (2016)