

ACADEMIC WORKSHEET

CSUB ID#

Name

GENERAL EDUCATION REQUIREMENTS

ENGR 1618/1628 -Met through program B1: Met through program C1: _____ US HIST: _____ GVAR: _____
 B2: Met through program C2: _____ GOVT: _____ UDB: Met through program
 A1: _____ D: Met through program JYDR: _____ UDC: Met through program
 A2: _____ SELF: _____ CAPSTONE: _____ UDD: Met through program
 A3/A4: Met through program

LOWER DIVISION CORE

ENGR 1618: _____ Intro to Engineering 1
 ENGR 1628: _____ Intro to Engineering 2
 ENGR 2070: _____ Electrical Circuits
 ENGR 2110: _____ Statics
 ENGR 2120: _____ Dynamics
 ENGR 2130: _____ Mechanics of Materials
 ENGR 2140: _____ Materials Science & Engr
 ENGR 2350: _____ Engineering Graphics

COGNATES

MATH 2310/2510: _____ Calc 1/Calc 1 for Engineers
 MATH 2320/2520: _____ Calc 2/Calc 2 for Engineers
 PHYS 2210: _____ Calc Based Physics 1
 PHYS 2220: _____ Calc Based Physics 2
 CHEM 1000: _____ Foundations of ...Chemistry
 CHEM 1001: _____ ...Chemistry Lab
 CHEM 1600: _____ ...Physical Chemistry
 ECON 2018: _____ Microeconomics
 PHIL 3318: _____ Professional Ethics

CONCENTRATION SPECIFIC

Biosystems and Agricultural

ENGR 3400: _____
 ENGR 3410: _____
 ENGR 4410: _____
 ENGR 4420: _____

Engineering Management

ENGR 4200: _____
 ENGR 4220: _____
 ENGR 4240: _____
 ENGR 4260: _____

One Additional Upper Division Engineering Elective Unit

ENGR _____

Petroleum Engineering

ENGR 4520: _____
 ENGR 4530: _____
 ENGR 4540: _____

Two Additional Upper Division Engineering Elective Units

ENGR _____:
 ENGR _____:

UPPER DIVISION CORE

ENGR 3300: _____ Modeling and Analysis
 ENGR 3310: _____ Numerical Methods
 ENGR 3110: _____ Thermodynamics
 ENGR 3120: _____ Fluid Mechanics
 ENGR 4110: _____ Heat Transfer
 ENGR 4120: _____ Design
 ENGR 4900: _____ Senior Project A
 ENGR 4910: _____ Senior Project B

ELECTIVES - 13 units of UD Electives

13 Units of Upper Division

ENGR 3070: _____ Analog Electronics
 ENGR 3400: _____ Soil & Water Resource Mgmt
 ENGR 3410: _____ Agricultural Machines & Instr
 ENGR 4200: _____ Operations Research
 ENGR 4220: _____ Project Management
 ENGR 4240: _____ Quality Management
 ENGR 4260: _____ Econ of Engr Design
 ENGR 4410: _____ Environmental Engineering
 ENGR 4420: _____ Food & Bioprocess Engr Unit Op
 ENGR 4520: _____ Petroleum Production Engr
 ENGR 4530: _____ Reservoir Engineering
 ENGR 4540: _____ Drilling Engr & Completion Tech
 ENGR 4610: _____ Conventional Energy Production
 ENGR 4620: _____ Renewable Energy Production

Additional 7 Units from the following list:

Any majors level BIOL, CHEM, GEOL, or PHYS course, MATH 2530, MATH 2540, and MATH 4500

_____: _____
 _____:
 Biol 2010, 2110 or 2120: _____ One course Required for Biosys & Ag
 Geol 4060: _____ Required for Petroleum

For Information purposes only - consult with advisor for current requirements