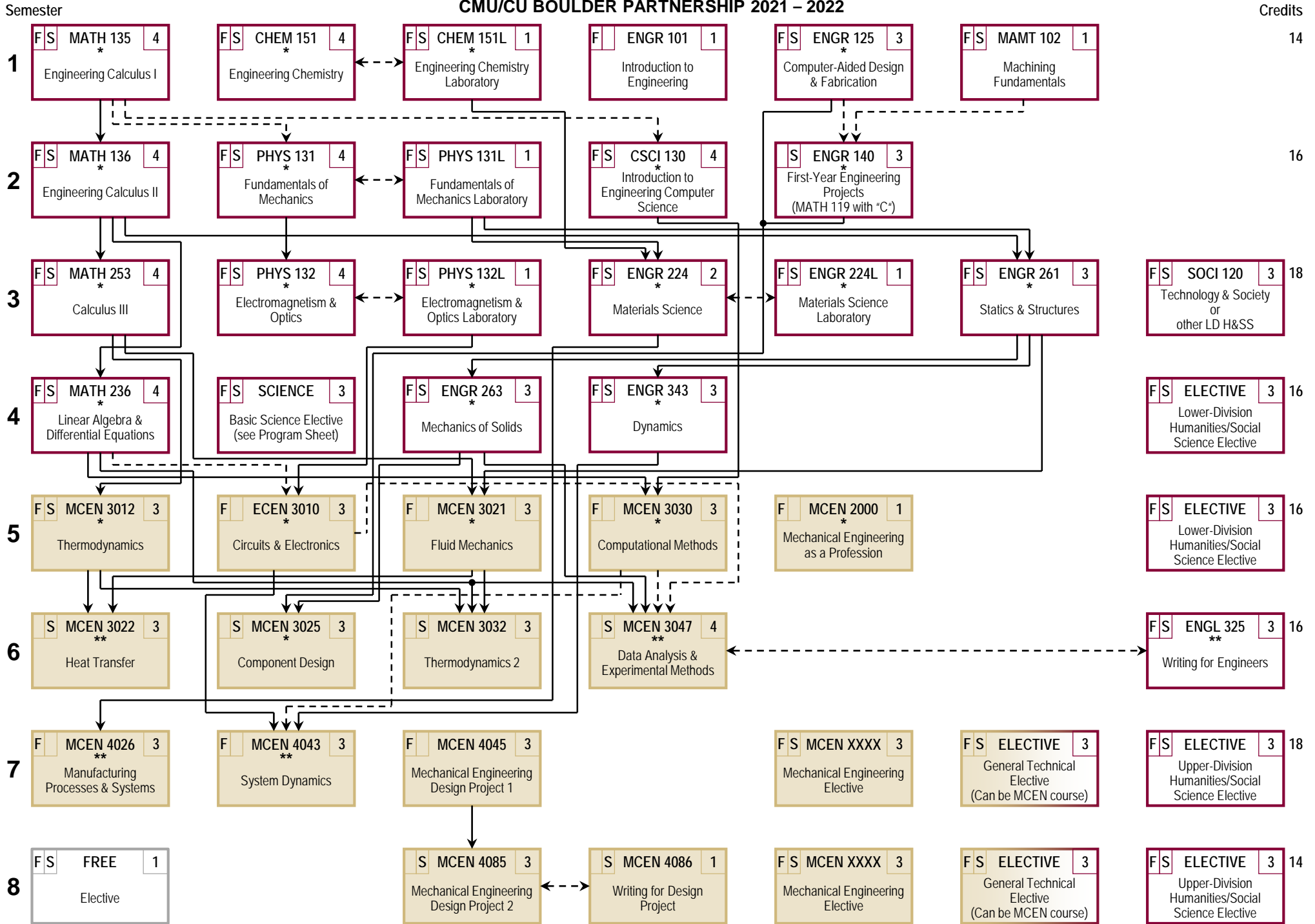


MECHANICAL ENGINEERING

CMU/CU BOULDER PARTNERSHIP 2021 – 2022



F S MATH 135 4
Engineering Calculus I

F S CHEM 151 4
Engineering Chemistry

F S CHEM 151L 1
Engineering Chemistry Laboratory

F ENGR 101 1
Introduction to Engineering

F S ENGR 125 3
Computer-Aided Design & Fabrication

F S MAMT 102 1
Machining Fundamentals

F S MATH 136 4
Engineering Calculus II

F S PHYS 131 4
Fundamentals of Mechanics

F S PHYS 131L 1
Fundamentals of Mechanics Laboratory

F S CSCI 130 4
Introduction to Engineering Computer Science

S ENGR 140 3
First-Year Engineering Projects (MATH 119 with "C")

F S MATH 253 4
Calculus III

F S PHYS 132 4
Electromagnetism & Optics

F S PHYS 132L 1
Electromagnetism & Optics Laboratory

F S ENGR 224 2
Materials Science

F S ENGR 224L 1
Materials Science Laboratory

F S ENGR 261 3
Statics & Structures

F S SOCI 120 3
Technology & Society or other LD H&SS

F S MATH 236 4
Linear Algebra & Differential Equations

F S SCIENCE 3
Basic Science Elective (see Program Sheet)

F S ENGR 263 3
Mechanics of Solids

F S ENGR 343 3
Dynamics

F S ELECTIVE 3
Lower-Division Humanities/Social Science Elective

F S MCEN 3012 3
Thermodynamics

F ECEN 3010 3
Circuits & Electronics

F MCEN 3021 3
Fluid Mechanics

F MCEN 3030 3
Computational Methods

F MCEN 2000 1
Mechanical Engineering as a Profession

F S ELECTIVE 3
Lower-Division Humanities/Social Science Elective

S MCEN 3022 3
Heat Transfer

S MCEN 3025 3
Component Design

S MCEN 3032 3
Thermodynamics 2

S MCEN 3047 4
Data Analysis & Experimental Methods

F S ENGL 325 3
Writing for Engineers

F MCEN 4026 3
Manufacturing Processes & Systems

F MCEN 4043 3
System Dynamics

F MCEN 4045 3
Mechanical Engineering Design Project 1

F S MCEN XXXX 3
Mechanical Engineering Elective

F S ELECTIVE 3
General Technical Elective (Can be MCEN course)

F S ELECTIVE 3
Upper-Division Humanities/Social Science Elective

F S FREE 1
Elective

S MCEN 4085 3
Mechanical Engineering Design Project 2

S MCEN 4086 1
Writing for Design Project

F S MCEN XXXX 3
Mechanical Engineering Elective

F S ELECTIVE 3
General Technical Elective (Can be MCEN course)

F S ELECTIVE 3
Upper-Division Humanities/Social Science Elective