CIVIL ENGINEERING
CMU/CU BOULDER PARTNERSHIP 2022 – 2023

Semester 1
- MATH 135 4: Engineering Calculus I
- CHEM 151 4: Engineering Chemistry
- PHYS 131 4: Fundamentals of Mechanics
- CIV 127 3: Engineering Drawing
- SOCI 120 3: Technology & Society or other LD H&SS

Semester 2
- MATH 136 4: Engineering Calculus II
- PHYS 131L 1: Fundamentals of Mechanics Laboratory
- CSCI 130 4: Introduction to Engineering Computer Science
- ENGR 140 3: First-Year Engineering Projects (MATH 119 with "C")
- ELECTIVE 3: Lower-Division Humanities/Social Science Elective

Semester 3
- MATH 253 4: Calculus III
- PHYS 132 4: Electromagnetism & Optics
- SCIENCE 3: Basic Science Elective (see Program Sheet)
- ENGR 212 3: Introduction to Geomatics
- ELECTIVE 3: Lower-Division Humanities/Social Science Elective

Semester 4
- MATH 236 4: Linear Algebra & Differential Equations
- CIV 217 4: Fundamentals of Hydrology
- ENGR 261 3: Statics & Structures
- CIV 313 3: Theoretical Fluid Mechanics
- ENGL 325 3: Writing for Engineers

Semester 5
- MCEN 3012 3: Thermodynamics
- CVEN 3246 3: Introduction to Construction
- CVEN 3414 3: Fundamentals of Environmental Engineering
- CVEN 3525 3: Structural Analysis
- CVEN 3708 3: Geotechnical Engineering
- ELECTIVE 3: Lower-Division Humanities/Social Science Elective

Semester 6
- CVEN 3256 3: Construction Equipment & Methods
- CVEN 3227 3: Probability & Statistics
- CVEN 3323 3: Hydraulic Engineering
- ELECTIVE 3: Writing for Engineers

Semester 7
- CVEN 3433 3: Engineering Hydrology
- CVEN 4545 3: Steel Design
- CVEN 4897 2: Professional Issues
- CVEN XXXX 3: General Technical Elective (Can be CVEN course)

Semester 8
- CVEN 3424 3: Water & Wastewater Treatment
- CVEN 4899 4: Civil Engineering Senior Design Project
- CVEN XXXX 3: General Technical Elective (Can be CVEN course)
- CVEN XXXX 3: General Technical Elective (Can be CVEN course)

TOTAL CREDITS = 128