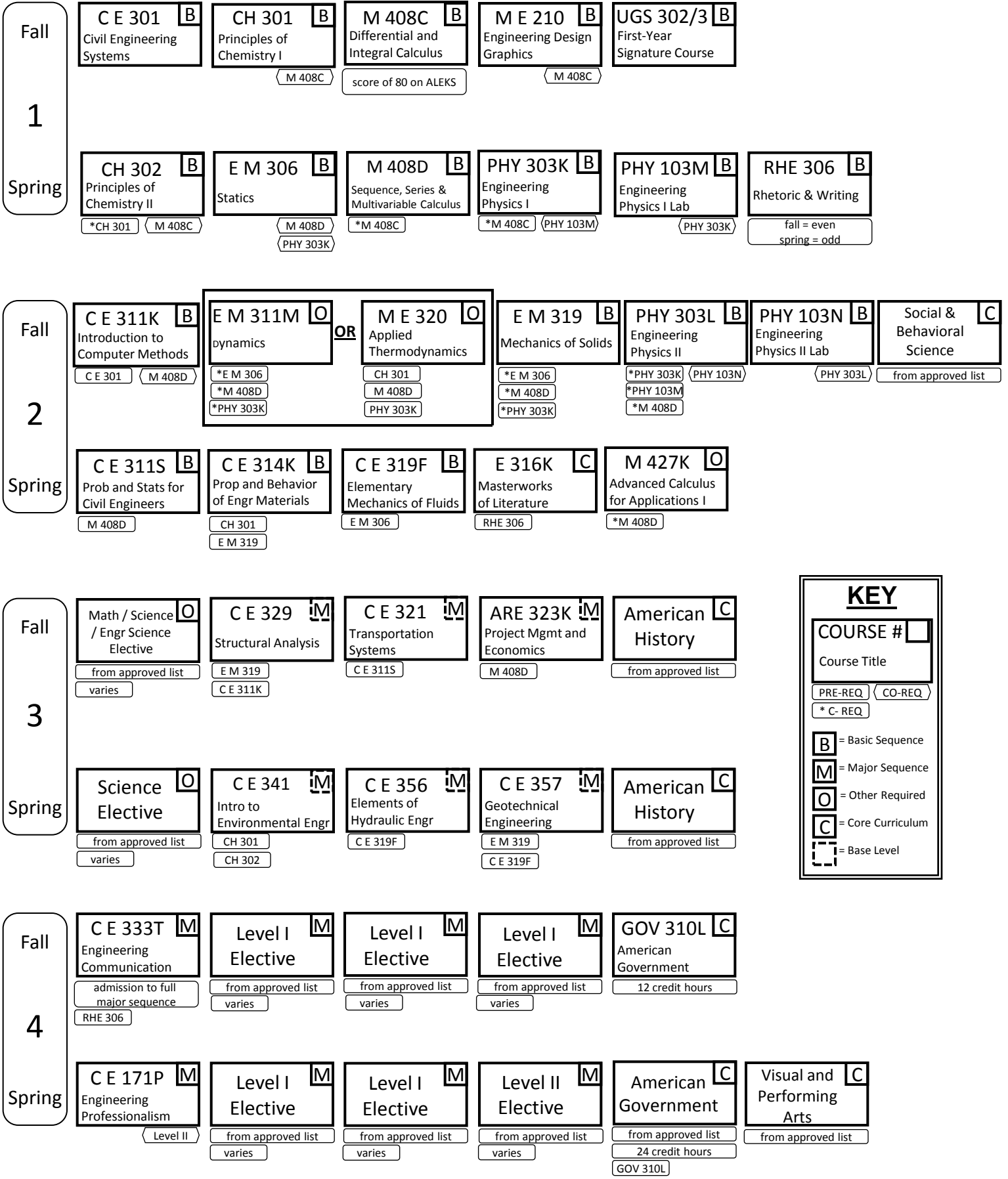


CIVIL ENGINEERING PREREQUISITE FLOW CHART



KEY

COURSE #

Course Title

PRE-REQ CO-REQ
* C-REQ

B = Basic Sequence
M = Major Sequence
O = Other Required
C = Core Curriculum
 = Base Level

CIVIL ENGINEERING

LEVEL I & LEVEL II ELECTIVES BY AREAS OF SPECIALIZATION

STRUCTURAL ENGINEERING

CE 331 □ Reinforced Concrete Design <small>CE 314K</small> <small>CE 329</small>	CE 335 □ Elements of Steel Design <small>CE 314K</small> <small>CE 329</small>	CE 363 □ Advanced Structural Analysis <small>CE 329</small>	ARE 362L S Structural Design in Wood <small>CE 329</small>
ARE 345K F Masonry Engineering <small>CE 329</small> <small>CE 331</small>	CE 362M S Adv Reinforced Concrete Design <small>CE 331</small>	CE 362N F Advanced Steel Design <small>CE 335</small>	

CONSTRUCTION MATERIALS ENGINEERING

CE 351 S Concrete Materials <small>CE 314K</small>
CE 366K F Design of Bituminous Mixtures admission to full major sequence

ENVIRONMENTAL ENGINEERING

CE 342 □ Water/Wastewater Treatment Engr <small>CE 341</small> <small>CE 319F</small>	CE 370K S Environmental Sampling & Analysis <small>CE 341</small>
CE 369L F Air Pollution Engineering <small>CE 341</small> <small>M E 320</small>	CE 346 Su Solid Waste Engr & Mgmt <small>CE 341</small>
CE 364 S Design of Wastewater & Water Trtmt Facilities <small>CE 356</small> <small>CE 342</small>	

GEOTECHNICAL ENGINEERING

CE 375 S Earth Slopes & Retaining Structrs <small>CE 357</small>
CE 360K F Foundation Engineering <small>CE 357</small>

TRANSPORTATION ENGINEERING

CE 367T □ Traffic Engineering <small>CE 321</small>	CE 367P □ Pavement Design & Performance <small>CE 321</small> <small>CE 357</small> <small>CE 366K</small>
CE 377K S Design of Ground-Based Transportation <small>CE 321</small>	

CONST ENGR & PROJECT MANAGEMENT

ARE 358 □ Cost Estimating in Bldg Construction ARE 335 or consent of instructor
ARE 366 □ Contracts, Liabilities & Ethics admission to full major sequence

WATER RESOURCES ENGINEERING

CE 358 F Introductory Ocean Engineering <small>CE 319F</small>	CE 374L S Groundwater Hydraulics <small>CE 356</small>
CE 374K S Hydrology <small>CE 311S</small> <small>CE 356</small>	CE 365K F Hydraulic Engineering Design <small>CE 356</small>

KEY

COURSE # □
Course Title
<small>PRE-REQ</small> <small>CO-REQ</small>
F = FALL ONLY
S = SPRING ONLY
Su = SUMMER ONLY
□ = Level II Elective
NOTE: semester offered subject to change