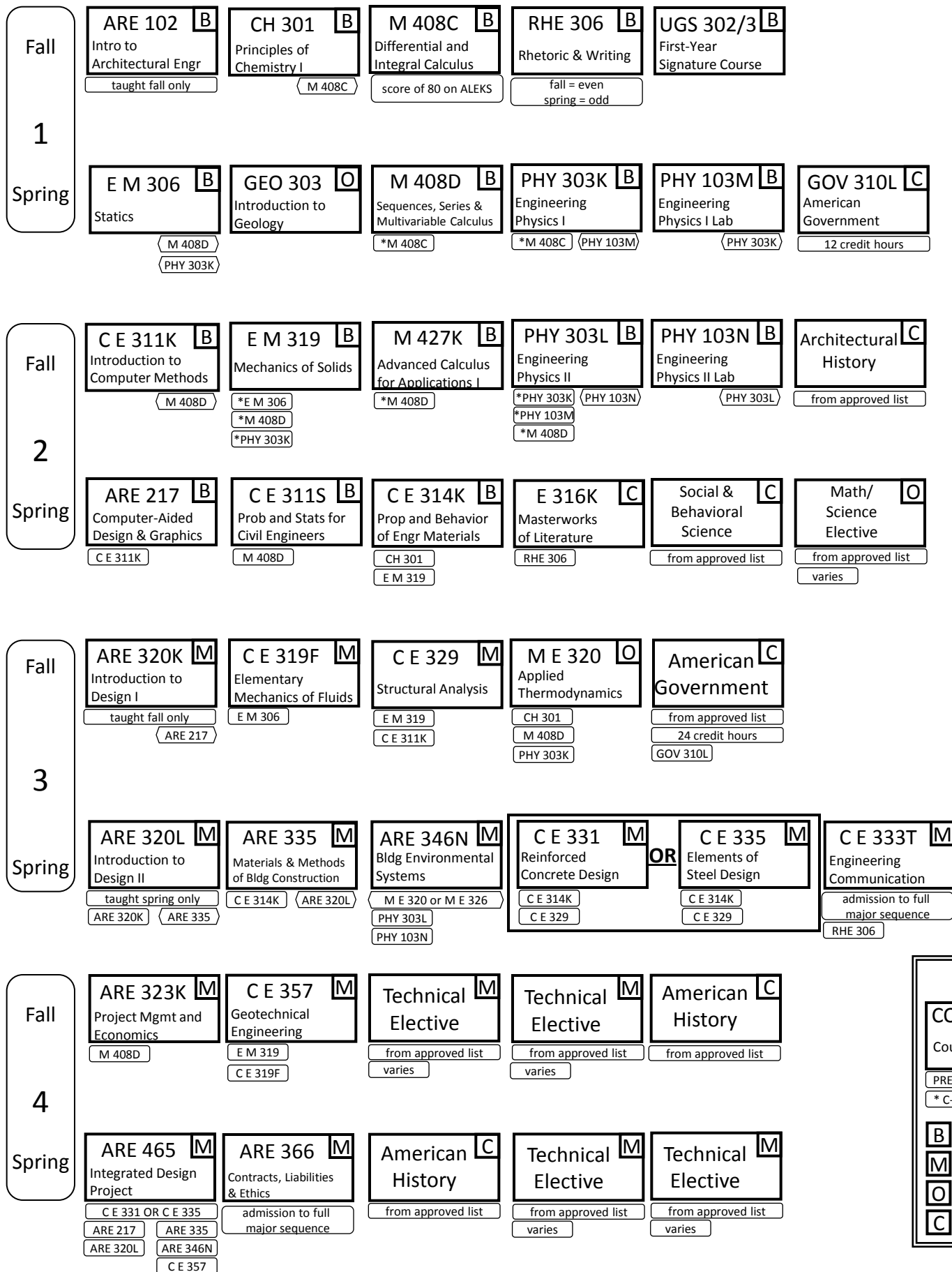


# ARCHITECTURAL ENGINEERING PREREQUISITE FLOW CHART



### KEY

**COURSE #** □  
Course Title

PRE-REQ CO-REQ

\* C-REQ

B = Basic Sequence

M = Major Sequence

O = Other Required

C = Core Curriculum

# ARCHITECTURAL ENGINEERING

## TECHNICAL ELECTIVES BY AREAS OF SPECIALIZATION

**STRUCTURAL ENGINEERING**

<b>ARE 345K</b> <span style="float: right;">F</span> Masonry Engineering <small>C E 329</small> <small>C E 331</small>	<b>ARE 362L</b> <span style="float: right;">S</span> Structural Design in Wood <small>C E 329</small>	<b>C E 331</b> Reinforced Concrete Design <small>C E 314K</small> <small>C E 329</small>	<b>C E 335</b> Elements of Steel Design <small>C E 314K</small> <small>C E 329</small>	<b>C E 360K</b> <span style="float: right;">F</span> Foundation Engineering <small>C E 357</small>
<b>C E 362M</b> <span style="float: right;">S</span> Adv Reinforced Concrete Design <small>C E 331</small>	<b>C E 362N</b> <span style="float: right;">F</span> Advanced Steel Design <small>C E 335</small>	<b>C E 363</b> Advanced Structural Analysis <small>C E 329</small>	<b>C E 375</b> <span style="float: right;">S</span> Earth Slopes and Retaining Structures <small>C E 357</small>	<b>E M 339</b> <span style="float: right;">F</span> Advanced Strength of Materials see E M department for registration *E M 319

**BUILDING ENERGY AND ENVIRONMENTS**

<b>ARE 346P</b> <span style="float: right;">S</span> HVAC Design <small>ARE 346N</small>	<b>ARE 370</b> <span style="float: right;">F</span> Design of Energy Effct & Healthy Blds <small>ARE 346N</small>	<p><b>NOTE:</b> All architectural engineering students are strongly encouraged to take either ARE 346P or ARE 370 as one of their technical electives. ARE 346N is a prerequisite for both.</p>	
<b>ARE 371</b> Energy Simulation in Building Design <small>ARE 346N</small>	<b>ARE 372</b> Modeling of Air and Pollutant Flows in Bldgs <small>C E 319F</small> <small>ARE 346N</small>	<b>C E 341</b> Intro to Environmental Engr <small>CH 301</small>	
<b>M E 339</b> Heat Transfer see M E department for registration	<b>M E 374S</b> Solar Energy Systems Design see M E department for registration	<b>M E 374F</b> Fire Science see M E department for registration	<b>M E 379N</b> Engineering Acoustics see M E department for registration

**BUILDING CONSTRUCTION/MATERIALS**

<b>ARE 358</b> Cost Estimating in Bldg Construction <small>ARE 335</small>	<b>C E 351</b> <span style="float: right;">S</span> Concrete Materials <small>C E 314K</small>	
<b>M E 349</b> Corrosion Engineering see M E department for registration	<b>M E 378K</b> Mech Behavior of Materials see M E department for registration	<b>M E 378P</b> Properties & Apps of Polymers see M E department for registration

### KEY

**COURSE #** □  
 Course Title

PRE-REQ CO-REQ  
\* C-REQ

F = FALL ONLY  
S = SPRING ONLY  
Su = SUMMER ONLY

**NOTE:** semester offered subject to change