### Architecutural Engineering

**Prerequisite Flow Chart**

**2016-2018 Catalog**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>Course Title</th>
<th>PREREQ</th>
<th>COREQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 102</td>
<td>Intro to Architectural Engr</td>
<td>taught fall only</td>
<td></td>
</tr>
<tr>
<td>CH 301</td>
<td>Principles of Chemistry I</td>
<td>score of 85 on ALEKS</td>
<td></td>
</tr>
<tr>
<td>M 408C</td>
<td>Differential and Integral Calculus</td>
<td>score of 70 on UTMA</td>
<td></td>
</tr>
<tr>
<td>RHE 306</td>
<td>Rhetoric &amp; Writing</td>
<td>fall = even spring = odd</td>
<td></td>
</tr>
<tr>
<td>UGS 302/3</td>
<td>First-Year Signature Course</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Fall 1**

- GEO 303: Introduction to Geology
- M 408D: Sequence, Series & Multivariable Calculus
- PHY 303K: Engineering Physics I
- PHY 103M: Engineering Physics I Lab
- Architectural History
- Social and Behavioral Science

**Spring**

- ARE 217: Group Mgmt & Design
- American History

**Fall 2**

- C E 311S: Prob and Stats for Civil Engineers
- E M 319: Mechanics of Solids
- C E 319F: Elementary Mechanics of Fluids
- C E 333T: Engineering Communication
- RHE 306: Rhetoric & Writing
- ARE 217: Group Mgmt & Design

**Spring**

- C E 320L: Introduction to Design II
- C E 324P: Prop and Behavior of Engr Materials
- E M 319: Mechanics of Solids
- C E 331: Reinforced Concrete Design
- OR
- C E 335: Elements of Steel Design
- Humanities (Literature)

**Fall 3**

- ARE 346N: Bldg Environmental Systems
- C E 324P: Prop and Behavior of Engr Materials
- C E 331: Reinforced Concrete Design
- OR
- C E 335: Elements of Steel Design
- C E 333T: Reinforced Concrete Design

**Spring**

- Math/Science Elective
- C E 335: Elements of Steel Design
- C E 333T: Reinforced Concrete Design
- GOV 310L: American Government
- GOV 312L: Issues & Policies in Amer Government

**Fall 4**

- ARE 326: Contracts, Liability & Ethics
- Technical Elective
- Technical Elective
- GOV 310L: American Government

**Spring**

- ARE 323K: Project Mgmt and Economics
- ARE 346P: HVAC Design
- ARE 371: Energy Simulation in Bldg Design
- Technical Elective
- GOV 310L: American Government

**KEY**

- "*" indicates that a grade of C- or better is required
- "<" taught spring only
- "^" course previously listed as ME 320
- "OR" indicates that one of the options may be chosen
- "VAR" varies
- "approved ABET list"
- "approved dept list"
- "approved core list"

Updated 5.19.17 SES