### Department of Civil, Construction, and Environmental Engineering:
**Bachelor of Science in Architectural Engineering (BSArchE)**

#### FRESHMAN YEAR

**Fall**
- 15 Hours
  - CE 121* Intro to CCEE (1)
  - ENGR 101 Engineering Foundations (3)
  - ENGR 102 English Comp II FC (3)
  - CH 101 Chemistry I N (4)
  - ENGR 171 Engineering Graphics (1)
  - MATH 125 Calculus I MA (4)
  - PH 105
  - MATH 126 Calculus II MA (4)

**Spring**
- 15 Hours
  - ENGR 103
  - ENGR 171 Engineering Graphics (1)
  - CE 260
  - PH 105
  - MATH 227
  - ENGR 1171
  - MATH 115
  - MATH 227
  - PH 105
  - MATH 228

#### SOPHOMORE YEAR

**Fall**
- 16 Hours
  - ENGR 103
  - MATH 125 MA (4)
  - PH 105
  - MATH 227
  - ENGR 1171
  - MATH 115
  - MATH 228
  - MA (4)

**Spring**
- 16 Hours
  - ENGR 171 Engineering Graphics
  - CE 260 Surveying (2)
  - CE 350
  - AEM 201
  - CE 331

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**Approved Natural Science (N) Electives**

- **Required:** CH 101, PH 105, and PH 106
- **Approved Electives:**
  - BSC 114/115 Principles of Biology
  - CH 102 Gen Chemistry II
  - GEO 101 Dynamic Earth
  - GEO 102 Earth Through Time
  - GEO 104 Hazardous Earth
  - GEO 105 Sustainable Earth
  - GY 101 Atmospheric Processes
  - GY 102 Earth Surface Processes

**Advising Notes**

- **EC 110** is recommended as SB electives
- Foreign language is recommended as HU electives
- * ENGR 111 or 121 from any other UA Engineering Department will meet CE 121 requirements

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**Revision 2.3 January 2021**
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### JUNIOR YEAR

**Fall**
- 15 Hours
- CE 262 AEM 250
- CE 331 Structural Engr (3)
- CE 340 Geotechnical Engr (4)
- CE 378 ME 407
- ECE 320 or ECE 225
- ECE 350 ELEC Power & Machines (3) Spring Only
- MATH 126
- ME 216 Thermal Engr Survey (3) Spring Only
- PH 106 MATH 238
- HI/SB¹ Elective (3)  

**Spring**
- 16 Hours
- CE 262 AEM 250
- CE 331 Steel Design I
- CE 340 Geotechnical Engr (4)
- CE 343 ME 407
- ECE 350 Elec Power & Machines (3) Spring Only
- ME 216 AEM 311
- ME 407 Heating Vent & Air Cond (3) Fall Only
- MATH 126
- ME 216 Thermal Engr Survey (3) Spring Only
- ME 378
- HI/SB¹ Elective (3)

### SENIOR YEAR

**Fall**
- 15 Hours
- CE 406 Capstone Design Buildings Arch E (4)
- CE 433 Reinforced Concrete I (3) Fall Only
- CE 433 ME 407
- CE 434 ECE 320 or ECE 225
- CE 435 MATH 227
- CE 436 MATH 238
- CE 437 CE 366
- HI/SB³ Elective (3)

**Spring**
- 16 Hours
- See List Below
- See List Below
- Senior Plan of Study Elective* (3)
- HI/SB³ Elective (3)
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- HI/SB³ Elective (3)
- HI/SB³ Elective (3)
- HI/SB³ Elective (3)

### Advising Notes

- *Please see the student guide to Senior Plan of Study Electives for a full list of electives and requirements.
- All ArchE students are strongly encouraged to prepare for and take the Fundamentals of Engineering (FE) Exam. The department recommends taking during or immediately following last semester.

### Senior Design Prequisite and Corequisite Requirements

- CE 406 Capstone Design Buildings: ArchE

### Advising Notes

- HI/SB³ = History & Social and Behavioral Science
- HU/L/FA³ = Humanities/Literature/Fine Arts
- CE 220 and EC 110 are recommended as SB electives
- Foreign language is recommended as HU electives
- C = Computer Science
- W = Writing