### B.S. in Architectural Engineering
Suggested 4-Year Academic Flowchart

**Notes:**
- **Most General Education Courses Can Be Taken in Any Order as Long as Prerequisites Are Met**
  - Refer to current catalog for prerequisites.
  - **One course from each of the following GE areas must be completed: A1, A2, A3, B2, C1, C2, C4, D1, D2, D3, and D4.** C4 should be taken only after Junior standing is reached (90 units).
  - Refer to catalog for prerequisites.
  - Quarterly advisor meetings are required prior to registration.
  - A corequisite course can be taken previously or concurrently. Concurrent courses must be taken together. All ARCE Majors must receive a C- or better in ARCE Courses that are prerequisites for other ARCE courses.

### Fall
- **Freshman**
  - Introduction to Building Systems
    - ARCE 106 (2)
  - Calculus I
    - MATH 141 (4)*

  - ** Sophomore**
    - Structures I
      - ARCE 211 (3) (w/min C-)
      - MATH 141, MATH 142
    - Calculus II
      - MATH 142 (4)*

  - ** Junior**
    - Design & Visual Communication
      - ARCH 131 (4)
    - General Physics IA
      - PHYS 141 (4)*

  - ** Senior**
    - Introduction to Surveying
      - BL 126 (4)**
      - PHYS ENGL 145, 148, 149, or PHIL 126 (4)**

### Winter
- **Freshman**
  - Calculus I
    - MATH 141 (4)*
  - General Physics IA
    - PHYS 141 (4)*

- ** Sophomore**
  - Introduction to Building Design
    - ARCE 205 (3)
  - General Physics IA
    - PHYS 141 (4)*

- ** Junior**
  - Linear Analysis I
    - MATH 244 (4)
  - General Physics IA
    - PHYS 141 (4)*

- ** Senior**
  - General Physics IA
    - PHYS 141 (4)*

### Spring
- **Freshman**
  - Calculus I
    - MATH 141 (4)*

- ** Sophomore**
  - Introduction to Structural Design
    - ARCE 212 (3)
  - General Physics IA
    - PHYS 141 (4)*

- ** Junior**
  - General Physics IA
    - PHYS 141 (4)*

- ** Senior**
  - General Physics IA
    - PHYS 141 (4)*

### Fall
- **Freshman**
  - Introduction to Building Systems
    - ARCE 106 (2)
  - Calculus I
    - MATH 141 (4)*

  - ** Sophomore**
    - Structures I
      - ARCE 211 (3) (w/min C-)
      - MATH 141, MATH 142
    - Calculus II
      - MATH 142 (4)*

  - ** Junior**
    - Design & Visual Communication
      - ARCH 131 (4)
    - General Physics IA
      - PHYS 141 (4)*

  - ** Senior**
    - Introduction to Surveying
      - BL 126 (4)**
      - PHYS ENGL 145, 148, 149, or PHIL 126 (4)**

### Winter
- **Freshman**
  - Calculus I
    - MATH 141 (4)*

  - ** Sophomore**
    - Introduction to Building Design
      - ARCE 205 (3)
    - General Physics IA
      - PHYS 141 (4)*

  - ** Junior**
    - General Physics IA
      - PHYS 141 (4)*

  - ** Senior**
    - General Physics IA
      - PHYS 141 (4)*

### Spring
- **Freshman**
  - Calculus I
    - MATH 141 (4)*

  - ** Sophomore**
    - Introduction to Structural Design
      - ARCE 212 (3)
    - General Physics IA
      - PHYS 141 (4)*

  - ** Junior**
    - General Physics IA
      - PHYS 141 (4)*

  - ** Senior**
    - General Physics IA
      - PHYS 141 (4)*

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### Legend:
- **Course Title**
- **Course # (Units)**
  - Major (71)
  - Support (81)
  - General Ed. (44)

- **GE Area**: General Education (44)

- **Graduation Writing Requirement**: GWR

- **TOTAL**: 196