Bachelor of Science in Architectural Engineering

Semester 1 – Fall (17 hours)
- CAE 100 (2) Engineering Drawing
- CAE 105 (2) Surveying
- MATH 151 (5) Calculus I
- CHEM 124 (4) Chemistry I or CHEM 122+123
- CAE 110 (1) Intro to Prof I
- 200 Level HUM (3)

Semester 2 – Spring (17 hours)
- CAE 111 (1) Intro to Prof II
- AAH 119 or AAH 120 (3) Arch. History

Semester 3 – Fall (17 hours)
- PHYS 221 (4) Physics II
- CAE 286 (3) Structural Mechanics
- MATH 251 (4) Calculus III
- CAE 208 (3) Thermodynamics
- Human Sciences Course (3)

Semester 4 – Spring (16 hours)
- CAE 312 (3) Engineering Systems
- CAE 287 (3) Mechanics of Materials
- MATH 252 (4) Differential Equations
- CAE 302 (3) Fluid Mechanics
- Human Sciences Course (3)

Semester 5 – Fall (15 hours)
- CAE 283 (3) Electrical Circuits
- LA 151 (5) Calculus II
- CAE 111 (1) Intro to Prof II
- Human Sciences Course (3)

Semester 6 – Spring (18 hours)
- CAE 303 (3) Steel Structures I
- CAE 466 (3) Electric/Ltg Design a
- CAE 307 (3) Concrete Structures I
- CAE 464 (3) HVAC Design
- IPRO 397/497 (3)

Semester 7 – Fall (15 hours)
- CAE 468 (3) Architectural Design
- CAE 470 (3) Construction Estimating
- CAE 461 (3) Plumbing and Fire Protect.
- CAE 4xx (3) Technical Elective I
- Human Sciences Course (3)

Semester 8 – Spring (15 hours)
- CAE 496 (0) FE Exam Prep
- Register for FE
- CAE 495 (3) Senior Capstone
- CAE 471 (3) Technical Elective 2
- CAE 4xx (3) Technical Elective 3
- Human Sciences Course (3)

Total credit hours required: 130 (ABET accredited)

Legend:
- General education
- Math and science
- Co-requisite
- Pre-requisite
- Offered Fall/Spring
- Offered in the semester shown
- 3 hrs of HUM 200 level
- 6 hrs of 300/400 level (H)umanities (AAH, COM, HIST, HUM, LIT or PHIL)
- 9 hrs of (S)ocial Sciences (ECON, PS, PSYC, SOC or SSCI): 6 hrs @ 300/400 level & courses from at least 2 different fields

NEW! CAE 495 is now Spring-only; December graduates take in their last Spring semester