

Professional Specializations in Architectural Engineering

Students who select an area of specialization must take a minimum of nine credit hours from the following technical electives listed under the respective area of specialization.

Acoustics and Illumination

- CAE 403 Sound and Vibration Control in Buildings
- CAE 409 Acoustic Performance Spaces
- CAE 467 Lighting Systems Design

Building Mechanical and Energy

- CAE 403 Sound and Vibration Control in Buildings
- CAE 463 Building Enclosure Design
- CAE 465 Building Energy Conservation Technologies

Construction Engineering and Management

- CAE 421 Risk Assessment Engineering
- CAE 472 Construction Site Operation
- CAE 473 Construction Project Administration

Electrical and Illumination

- CAE 465 Building Energy Conservation Technologies
- CAE 466 Building Electrical Systems Design
- CAE 467 Lighting Systems Design

Fire Protection and Life Safety

- CAE 422 Sprinklers, Standpipes, and Fire Pumps
- CAE 424 Introduction to Fire Dynamics
- CAE 425 Fire Protection and Life Safety

Structural Engineering*

- CAE 310 Structural Analysis II
- CAE 431 Steel Design
- CAE 432 Concrete and Foundation Design

* Students should take CAE 310 in Semester 6 and an IPRO in Semester 7.