

Architectural Engineering, B.S.

Accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org/>

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
AEEN 1310	Computer Graphics	3
Rhetoric & Composition		3
MATH 2413	Calculus I	4
PHYS 2325 & PHYS 2125	University Physics I and University Physics I Lab	4
GEEN 1201	Engineering as a Career	2
Semester Credit Hours		16
Semester 2		
CEEN 2301	Statics	3
Rhetoric & Composition		3
MATH 2414	Calculus II	4
CHEM 1311 & CHEM 1111	General Chemistry I and General Chemistry I Lab	4
ARCH 1302	Architectural History II	3
Semester Credit Hours		17
Sophomore Year		
Semester 1		
AEEN 3346	Thermal Analysis	3
CEEN 3311	Strength of Materials	3
American History		3
AEEN 2325	Architectural Develop Intro	3
MATH 3415	Calculus III	4
Semester Credit Hours		16
Semester 2		
AEEN 3303	Structural Analysis	3
AEEN 3116	Architectural Design	1
AEEN 3216	Architectural Design Lab	2
American History		3
MATH 3320	Differential Equations	3
PHYS 2326 & PHYS 2126	University Physics II and University Physics II Lab	4
Semester Credit Hours		16
Junior Year		
Semester 1		
AEEN 3335	Building Environmental Systems	3
AEEN 3332	Building Electrical Systems I	3
CEEN 3390	Fluid Mechanics	3
Government/Political Science		3
Communication		3
Semester Credit Hours		15
Semester 2		
AEEN 4320	Building Services Engineering	3
AEEN 3130	Instrumentation Laboratory	1
Government/Political Science		3

CEEN 3317	Engineering Economics	3
Special Elective		3
Structural Design Elective		3
Semester Credit Hours		16
Senior Year		
Semester 1		
AEEN 4279	Senior Design Project I	2
AEEN 4326	Construction Engineering	3
Engineering Elective (p.)		3
AEEN 3334	Building Electrical Systems II	3
STAT 4303	Statistical Methods	3
Semester Credit Hours		14
Semester 2		
AEEN 4289	Senior Design Project II (WI)	2
CEEN 3145	Construction Materials Lab	1
CEEN 3344	Construction Materials	3
Engineering Elective (p.)		3
Lang/Phil/Culture		3
Social/Behavioral		3
Semester Credit Hours		15
Total Credit Hours Required:		125

Students majoring in Architectural Engineering must receive a grade of C or better in all engineering courses (AEEN, CEEN, ITEN, etc.) to graduate. Each student is responsible for knowing the academic regulations in the Catalog. Unfamiliarity with the regulations does not constitute a valid reason for failure to fulfill them.

Special Elective

- ITEN 2330
- MEEN 2302
- MEEN 3348

Structural Design Elective

- AEEN 3304
- AEEN 4316
- Courses selected for Structural Design Elective cannot also be used as an Engineering elective.

Engineering Electives (prerequisites vary)

- AEEN 3304
- AEEN 3318
- AEEN 3325
- AEEN 3350
- AEEN 3310
- AEEN 4316
- AEEN 4336
- AEEN 4340
- AEEN 4346
- CEEN 3315
- CEEN 3342
- CEEN 3389
- CEEN 3393
- CEEN 4314
- CEEN 4336
- CEEN 4368