

# BACHELOR OF ARCHITECTURAL ENGINEERING

140 CREDIT HOURS  
OKLAHOMA STATE UNIVERSITY

## FIRST YEAR

### ARCH 1112

Intro to Arch

College Algebra  
Calculus Prep

### MATH 2144

Calculus I (A)

Statics

### CHEM 1414

General  
Chemistry (L,N)

### ARCH 1216

Arch Design I

### PHYS 2014

General Physics  
(L,N)

Statics

### ENGR 1412

Engineering  
Computer

### ARCH 2003

Arch H/T I

### ENGL 1113

Fresh Comp I

### ENGL 1213

Fresh Comp II

## SECOND YEAR

### ARCH 2116

Arch Design II

### MATH 2153

Calculus II (A)

### ENSC 2113

Statics

### ARCH 2252

Communications I

### POLS 1113

American Govt

### ARCH 2263

Arch Systems

### MATH 2163

Calculus III

### ENSC 2143

Strength of Mat

### ENSC 2141

Strengths Lab

### ARCH H/T (H)

### HIST 1103

American Hist

## STRUCTURES OPTION

ACADEMIC YEAR 2020-2021

### ADMISSION REQUIREMENTS TO PROFESSIONAL SCHOOL

Students in the major of Architectural Engineering who meet the criteria for consideration will be selected for admission to the Professional School in the School of Architecture.

Professional School Criteria:

- Obtain a minimum of 55 credit hours applicable towards the degree
- Completion of ARCH 1112, 2003, 1216, 2116, 2263, 2252, MATH 2144, ENSC 2113, 2143, PHYS 2014, ENGL 1113 with a Selection Grade point Average of 2.8.

For detailed explanation of the Professional School admission policy, obtain a copy of the application form from the School of Architecture Office.

### GENERAL EDUCATION

Students are required to take at least 43 credit hours of General Education courses met by required courses and electives. These must include:

- (A) 7 hours Analytical: MATH 2144 and 2153.
- (H) 6 hours Humanities: ARCH 2003 and ARCH \_\_3 H/T course.
- (S) 3 hours Social Science
- (D) Diversity
- (N) 15 hours Natural Science: PHYS 2014, 2114, CHEM 1414 and one course from: ASTR 1013, 1023; BIOL 1114; CHEM 1314, 1515; GEOL 1014, 1114, 1013; SOIL 1113.

### ARCH ELECTIVES

Students are required to take 6 credit hours of ARCH History and Theory; ARCH 2003 and one other ARCH H/T with an (H) designation.

### DIRECTED ELECTIVES

Students are required to take 6 credit hours from the following courses: ARCH 5143, 6243, 6343, 5093, 5495, 4374, 4233, 4293, 5133, 5003, 6543; CIVE 3623, 3614, 5403, 5433, 5533, 5573; up to 6 hours of upper division or graduate level courses approved by the department head advisor.

**NOTE:** The school of Architecture requires a final grade of "C" or better in all ARCH prefix courses, substitutions for ARCH prefix courses, and prerequisites for ARCH prefix courses.

**NOTE:** This flow chart is for planning purposes only. Official degree requirements can be found in the Academic Catalog 2020-2021. ([catalog.okstate.edu](http://catalog.okstate.edu))

# BACHELOR OF ARCHITECTURAL ENGINEERING

140 CREDIT HOURS  
OKLAHOMA STATE UNIVERSITY

## THIRD YEAR

**ARCH 3043**  
Structural Loads

**ARCH 3143**  
Analysis I

**ARCH 3323**  
Steel I

**ENSC 2123**  
Dynamics

**PHYS 2114**  
General Physics  
(L,N)

**ARCH 4123**  
Concrete I

**ARCH 3343**  
Steel II

**ENSC 3313**  
Material Science

**ARCH 3262**  
Communications II

**GEN ED (3)**  
Natural Sci (N)

## FOURTH YEAR

**ARCH 4143**  
Foundations

**ARCH 4243**  
Concrete II

**MATH 2233**  
Differential Eq

**CIVE 4711**  
Soils Lab

**ARCH 4163**  
Arch Science I

**GEN ED (3)**  
Social Sci (S,D)

**ARCH 5023**  
Timbers/Masonry

**STAT 4033**  
Eng Statistics

**IEM 3503**  
Eng Econ Analysis

**ARCH 4433**  
Arch Science II

**DIR ELECT (3)**

## FIFTH YEAR

**ARCH 5226**  
Comp Eng Design

**ARCH 4263**  
Seminar

**ARCH 4093**  
Proj Mgmt

**DIR ELECT (3)**