

**ACCREDITATION BOARD FOR ENGINEERING TECHNOLOGY (ABET)
2010 – 2012 CURRICULAR DISTRIBUTION**

**THE UNIVERSITY OF TEXAS AT AUSTIN
BACHELOR OF SCIENCE IN ARCHITECTURAL ENGINEERING**

The Bachelor of Science in Architectural Engineering at The University of Teas at Austin is currently accredited by the Accreditation Board for Engineering Technology (ABET). The minimum ABET curricular distribution combines MATHEMATICS and BASIC SCIENCES (32 hours), ENGINEERING TOPICS including ENGINEERING SCIENCE and ENGINEERING DESIGN (48 hours), and GENERAL EDUCATION including HUMANITIES and SOCIAL SCIENCES (16 hours).

Completion of a program of study in engineering which is accredited by ABET at time of graduation is considered to meet the education requirements for registration as a Professional Engineer by the Texas Board of Professional Engineers.

The following pages breakdown the curricular distribution of all courses, including electives, required for a Bachelor of Science in Architectural Engineering at The University of Texas at Austin.

NOTE: The 12 hours of required Technical Electives MUST come from at least 2 of the 3 Areas of Specialization.

**MATHEMATICS &
BASIC SCIENCES**

**ENGINEERING
SCIENCE**

**ENGINEERING
DESIGN**

**HUMANITIES &
SOCIAL SCIENCES**

OTHER

ENGINEERING TOPICS

NATURAL SCIENCES

| | | | | | |
|--------------------------|--------|--|--|--|--|
| M 408C | 4 | | | | |
| M 408D | 4 | | | | |
| M 427K | 4 | | | | |
| CH 301 | 3 | | | | |
| GEO 303 | 3 | | | | |
| PHY 303K | 3 | | | | |
| PHY 103M | 1 | | | | |
| PHY 303L | 3 | | | | |
| PHY 103N | 1 | | | | |
| MATH/SCIENCE ELECTIVE | 3 OR 4 | | | | |

CORE REQUIREMENTS

| | | | | | |
|-------------------------|--|--|--|---|---|
| UGS 302-W OR 303 | | | | | 3 |
| RHE 306 | | | | | 3 |
| E 316K | | | | 3 | |
| GOV 3HRS | | | | 3 | |
| GOV 3HRS | | | | 3 | |
| HIS 3HRS (American) | | | | 3 | |
| HIS 3HRS (American) | | | | 3 | |
| Social Science | | | | 3 | |
| Architectural History | | | | 3 | |

ENGINEERING SCIENCES

| | | | | | |
|---------|-----|-----|--|--|--|
| E M 306 | 0.5 | 2.5 | | | |
| E M 319 | | 3 | | | |
| M E 320 | | 3 | | | |

MAJOR REQUIREMENTS

| | | | | | |
|-----------------------|---|-----|-----|--|--|
| ARE 102 | | 1 | | | |
| ARE 217 | | 2 | | | |
| ARE 335 | | 2.5 | 0.5 | | |
| ARE 320K | | | 3 | | |
| ARE 320L | | | 3 | | |
| ARE 323K | | 3 | | | |
| ARE 346N | | 2 | 1 | | |
| ARE 366 | | 3 | | | |
| ARE 465 | | | 4 | | |
| C E 311K | 1 | 2 | | | |
| C E311S | 2 | 1 | | | |
| C E 314K-W | | 3 | | | |
| C E 319F | | 3 | | | |
| C E 329 | | 3 | | | |
| C E 331 OR 335 | | 1 | 2 | | |
| C E 333T-W | | 3 | | | |
| C E 357 | | 2 | 1 | | |

SUB-TOTAL

32.5 - 33.5

40

14.5

21

6

W = Substantial Writing Component

**MATHEMATICS &
BASIC SCIENCES**

**ENGINEERING
SCIENCE**

**ENGINEERING
DESIGN**

**HUMANITIES &
SOCIAL SCIENCES**

OTHER

ENGINEERING TOPICS

TECHNICAL ELECTIVE

STRUCTURAL ENGR

| | | | | |
|-----------------------|-----|-----|-----|--|
| ARE 345K | | 1 | 2 | |
| ARE 362L | | 1 | 2 | |
| C E 331 OR 335 | | 1 | 2 | |
| C E 360K | | | 3 | |
| C E 362M | | | 3 | |
| C E 362N | | | 3 | |
| C E 363 | 0.5 | 2.5 | | |
| C E 375 | | 1.5 | 1.5 | |
| E M 339 | | 3 | | |

**BUILDING ENERGY &
ENVIRONMENTS**

| | | | | |
|----------|-----|-----|-----|--|
| ARE 346P | | 1.5 | 1.5 | |
| ARE370 | | 2 | 1 | |
| ARE 371 | 0.5 | 1.5 | 1 | |
| ARE 372 | 0.5 | 2 | 0.5 | |
| C E 341 | | 2 | 1 | |
| M E 339 | | 3 | | |
| M E 374S | | 3 | | |
| M E 374F | | 3 | | |
| M E 379N | | 3 | | |

**CONSTRUCTION MATERIALS
ENGR**

| | | | | |
|----------|--|---|---|--|
| ARE350 | | 2 | 1 | |
| ARE358 | | 3 | | |
| C E 351 | | 3 | | |
| M E 349 | | 3 | | |
| M E 378K | | 3 | | |
| M E 378P | | 3 | | |

**MINIMUM DEGREE
REQUIREMENTS**

≥ 32.5

≥ 65

21

6

**MINIMUM ABET
REQUIREMENTS**

32

48

16

0