

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

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

The Bachelor of Science in Civil 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 Civil Engineering at The University of Texas at Austin.

NOTE: The 18 hours of required Level I and Level II Electives MUST come from at least 3 of the 7 Areas of Specialization. All students MUST take at least one Level II Elective.

**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				
CH 302	3				
PHY 303K	3				
PHY 103M	1				
PHY 303L	3				
PHY 103N	1				
SCIENCE ELECTIVE	3 OR 4				
MATH/SCIENCE/ ENGR SCIENCE ELV		3 OR 4			

CORE REQUIREMENTS

UGS 302-W <u>OR</u> 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	
Visual & Performing Arts				3	

ENGINEERING SCIENCES

E M 306	0.5	2.5			
E M 311M	0.5	2.5			
M E 320		3			
E M 319		3			

OTHER REQUIRED

M E 210		1		1	
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MAJOR REQUIREMENTS

C E 301		3			
C E 311K	1	2			
C E 311S	2	1			
C E 314K-W		3			
C E 319F		3			
C E 321		2		1	
ARE 323K		3			
C E 329		3			
C E 333T-W		3			
C E 341		2		1	
C E 356		2		1	
C E 357		2		1	
C E 171P		0.5		0.5	

SUB-TOTAL

32.5 - 37

38.5 - 42

5.5

21

6

W = Substantial Writing Component

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MATHEMATICS &
BASIC SCIENCES

ENGINEERING
SCIENCE

ENGINEERING
DESIGN

HUMANITIES &
SOCIAL SCIENCES

OTHER

ENGINEERING TOPICS

LEVEL I & II ELECTIVES

CONSTRUCTION ENGR &
PROJECT MGMT

ARE 350	2	1		
ARE 358	3			
ARE 366	3			

ENVIRONMENTAL ENGR

C E 342	1.5	1.5		
C E 346	1	2		
C E 346K	1	2		
C E 369L	2.5	0.5		
C E 370K	3			
C E 364 (LEVEL II)		3		

GEOTECHNICAL ENGR

C E 375	1.5	1.5		
C E 360K (LEVEL II)		3		

STRUCTURAL ENGR

ARE 345K	1	2		
ARE 362L	1	2		
C E 331	1	2		
C E 335	1	2		
C E 363	0.5	2.5		
C E 362M (LEVEL II)		3		
C E 362N (LEVEL II)		3		

CONSTRUCTION MATERIALS
ENGR

C E 351	3			
C E 366K	2	1		

TRANSPORTATION ENGR

C E 367P	1	2		
C E 367T	2.5	0.5		
C E 367 (LEVEL II)		3		
C E 376 (LEVEL II)		3		

WATER RESOURCES
ENGINEERING

C E 358	2	1		
C E 374K	2.5	0.5		
C E 374L	2	1		
C E 365K (LEVEL II)		3		

MINIMUM DEGREE
REQUIREMENTS

≥ 33

≥ 58.5

21

6

MINIMUM ABET
REQUIREMENTS

32

48

16

0