

# DEGREE REQUIREMENTS

## B.S. Architecture + B.S. Civil Engineering - 188 Credit Hours

### FIRST YEAR

#### Fall (18 total credit hours)

ARCH 1301 - *Architectural Design I*  
ARCH 1101 - *Architectural Representation I*  
ARCH 2311 - *History of World Architecture I\**  
ARCH 1311 - *Design, Environment, and Society\**  
CE 1130 - *Civil Engineering Seminar I*  
MATH 1451 - *Calculus I with Applications\**  
ENGL 1301 - *Essentials of College Rhetoric\**

#### Summer I (7 total credit hours)

MATH 2450 - *Calculus III with Applications*  
HIST 2300 - *History of the United States to 1877\**

#### Spring (21 total credit hours)

ARCH 1302 - *Architectural Design II*  
ARCH 1102 - *Architectural Representation II*  
ARCH 2315 - *History of World Architecture II\**  
ENGR 1315 - *Introduction to Engineering*  
MATH 1452 - *Calculus II with Applications\**  
PHYS 1408 - *Principles of Physics I\**  
ENGL 1302 - *Advanced College Rhetoric\**

#### Summer II (6 total credit hours)

MATH 3350 - *Higher Mathematics for Engineers and Scientists I*  
ECE 3301 - *General Electrical Engineering*  
**OR**  
PHYS 2401 - *Principles of Physics II*

COMPETITIVE PLACEMENT BASED ON COMPREHENSIVE REVIEW INCLUDING STUDENT PORTFOLIO, WRITTEN ESSAY, GPA, AND STATEMENT OF INTEREST. STUDENTS WHO HAVE NOT BEEN ADMITTED TO THE PRE-PROFESSIONAL PROGRAM ARE NOT ELIGIBLE TO ENROLL IN STUDIO COURSES AT THE 2000 LEVEL OR ABOVE.

### Pre-Professional Program

### SECOND YEAR

#### Fall (20 total credit hours)

ARCH 2503 - *Architectural Design III*  
ARCH 2101 - *Architectural Representation III*  
ARCH 3313 - *History of World Architecture III*  
ARCH 2351 - *Architectural Technology I: Matter*  
CE 2301 - *Statics*  
CE 2201 - *Materials for Constructed Facilities*  
HIST 2301 - *History of the United States since 1877\**

#### Summer I (7 total credit hours)

CHEM 1307 - *Principles of Chemistry I\**  
CHEM 1107 - *Experimental Principles of Chemistry I\**  
POLS 1301 - *American Government\**

#### Spring (19 total credit hours)

ARCH 2504 - *Architectural Design IV*  
ARCH 2102 - *Architectural Representation IV*  
ARCH 2362 - *Fundamentals in Architectural Thinking*  
ARCH 2355 - *Architectural Technology II: Gravity*  
CE 3303 - *Mechanics of Solids*  
CE 3103 - *Mechanics of Solids Laboratory*  
COMS 2300 - *Public Speaking\**  
**OR**  
COMS 2358 - *Speaking for Business\**

#### Summer II (7 total credit hours)

CHEM 1308 - *Principles of Chemistry II*  
CHEM 1108 - *Experimental Principles of Chemistry II*  
POLS 2306 - *Texas Politics and Topics\**

### THIRD YEAR

#### Fall (17 total credit hours)

ARCH 3601 - *Architectural Design V*  
ARCH 3352 - *Building Information Technology\*\**  
CE 3321 - *Introduction to Geotechnical Engineering*  
CE 3121 - *Geotechnical Engineering Laboratory*  
CE 3440 - *Structural Analysis I*

#### Spring (18 total credit hours)

ARCH 3602 - *Architectural Design VI (Sevilla Program—Optional)\*\**  
ARCH 3314 - *Contemporary Issues (Study Abroad—Optional)\*\**  
IE 3341 - *Engineering Statistics*  
**OR**  
MATH 3342 - *Mathematical Statistics for Engineers and Scientist*  
CONE 2302 - *Surveying*  
CE 3305 - *Mechanics of Fluids*

### FOURTH YEAR

#### Fall (16 total credit hours)

ARCH 4601 - *Architectural Design VII*  
CE 3341 - *Principles of Structural Design*  
CE 3354 - *Engineering Hydrology*  
CE 3309 - *Environmental Engineering*  
CE 3171 - *Environmental Engineering Laboratory I*

#### Spring (18 total credit hours)

ARCH 4602 - *Architectural Design VIII*  
CE 4343 - *Design of Concrete Structures*  
CE 4340 - *Structural Analysis II*  
CE 4342 - *Design of Steel Structures*  
CE 3372 - *Water Systems Design*

### FIFTH YEAR

#### Fall (15 total credit hours)

CE 4330 - *Design of Engineering Systems*  
CE 3302 - *Dynamics*  
CE 4361 - *Transportation Engineering*  
IE 2324 - *Engineering Economic Analysis*  
*Multicultural Requirement\**

**\*\*REQUIRED COMMUNICATION LITERACY COURSES: ARCH 3314, 3352, 3602**

\*CORE CURRICULUM

#MULTICULTURAL REQUIREMENT-IN ADDITION TO THE CORE CURRICULUM, EVERY STUDENT MUST SUCCESSFULLY COMPLETE AT LEAST ONE 3 -HOUR MULTICULTURAL REQUIREMENT. REFER TO TTU CATALOG FOR APPROVED MULTICULTURAL COURSES.

A GRADE OF C OR BETTER IS REQUIRED FOR ALL COURSES IN THE ARCHITECTURE DEGREE PLAN. GRADES BELOW A C WILL NEED TO BE REPEATED. STUDENTS MUST HAVE A TTU 2.5 GPA TO GRADUATE.

