

<b>Student ID:</b> _____	<b>Bulletin: 2016-2017 Undergraduate Bulletin</b> <b>Program: Architectural Engineering Technology, B.S.</b> <b>Semester-by-semester Guide</b> <b>Minimum Credits Required:</b> _____
<b>Student Name:</b> _____	
<b>Adviser Name:</b> _____	

## Architectural Engineering Technology, B.S. Semester-by-semester Guide

### Freshmen

#### 1st semester (15 hours)

Course Name	Hours
ENG 101 - Composition One	3 hrs.
ART 111 - Design I	3 hrs.
MAT 101 - College Algebra or Technical Elective	3 hrs.
AEC 132 - Architectural Graphics	3 hrs.

#### Select 1:

Course Name	Hours
ART 130 - Art Appreciation	3 hrs.
MUS 165 - The Enjoyment of Music	3 hrs.
THE 100 - Theatrical Expressions	3 hrs.
DAN 130 - Dance Appreciation	3 hrs.

#### 2nd semester (16 hours)

Course Name	Hours
ENG 102 - Composition Two	3 hrs.
AEC 204 - Materials and Methods of Construction	3 hrs.
AEC 204L - Materials and Methods of Construction Laboratory	1 hr.
MAT 103 - Plane Trigonometry	3 hrs.
ART 112 - Design II	3 hrs.

#### Select 1:

Course Name	Hours
CMS 111 - Oral Communication	3 hrs.
CMS 320 - Business and Professional Speaking	3 hrs.
CMS 330 - Small-Group Communication	3 hrs.

### Sophomore

#### 1st semester (16 hours)

Course Name	Hours
ACT 321 - Architectural History I	3 hrs.
AEC 254 - Estimating I	3 hrs.
ACT 234 - Architectural CADD	3 hrs.
MAT 167 - Calculus I with Analytic Geometry	3 hrs.

#### Select 1:

Course Name	Hours
CHE 104 - Chemistry and Our Environment AND	3 hrs.
CHE 104L - Chemistry and Our Environment Laboratory	1 hr.
CHE 106 - General Chemistry I AND	3 hrs.
CHE 106L - General Chemistry I Laboratory	1 hr.
CHE 107 - General Chemistry II AND	3 hrs.
CHE 107L - General Chemistry II Laboratory	1 hr.

GLY 101 - Physical Geology AND	3 hrs.
GLY 101L - Physical Geology Laboratory	1 hr.
GLY 103 - Historical Geology AND	3 hrs.
GLY 103L - Historical Geology Laboratory	1 hr.
PHY 111 - General Physics I AND	3 hrs.
PHY 111L - General Physics I Laboratory	1 hr.
PHY 112 - General Physics II AND	3 hrs.
PHY 112L - General Physics II Laboratory	1 hr.
PHY 201 - General Physics I with Calculus AND	4 hrs.
PHY 201L - General Physics I with Calculus Laboratory	1 hr.
PHY 202 - General Physics II with Calculus AND	4 hrs.
PHY 202L - General Physics II with Calculus Laboratory	1 hr.

## 2nd semester (16 hours)

Course Name	Hours
ACT 322 - Architectural History II	3 hrs.
BCT 258 - Construction Planning and Scheduling	3 hrs.
ACT 301 - Planning & Codes	3 hrs.
AEC 270 - Statics and Strengths of Materials	3 hrs.

### Select 1:

Course Name	Hours
CHE 104 - Chemistry and Our Environment AND	3 hrs.
CHE 104L - Chemistry and Our Environment Laboratory	1 hr.
CHE 106 - General Chemistry I AND	3 hrs.
CHE 106L - General Chemistry I Laboratory	1 hr.
CHE 107 - General Chemistry II AND	3 hrs.
CHE 107L - General Chemistry II Laboratory	1 hr.
GLY 101 - Physical Geology AND	3 hrs.
GLY 101L - Physical Geology Laboratory	1 hr.
GLY 103 - Historical Geology AND	3 hrs.
GLY 103L - Historical Geology Laboratory	1 hr.
PHY 111 - General Physics I AND	3 hrs.
PHY 111L - General Physics I Laboratory	1 hr.
PHY 112 - General Physics II AND	3 hrs.
PHY 112L - General Physics II Laboratory	1 hr.
PHY 201 - General Physics I with Calculus AND	4 hrs.
PHY 201L - General Physics I with Calculus Laboratory	1 hr.
PHY 202 - General Physics II with Calculus AND	4 hrs.
PHY 202L - General Physics II with Calculus Laboratory	1 hr.

## Junior

**1st semester (17 hours)**

Course Name	Hours
ACT 363 - Architectural Studio I	4 hrs.
ACT 380 - Specifications and Contract Documents	3 hrs.
AEC 315 - Mechanical, Electrical and Plumbing Systems	3 hrs.
AEC 315L - Mechanical, Electrical and Plumbing Systems Lab	1 hr.
BCT 365 - Estimating II	3 hrs.

**Select 1:**

Course Name	Hours
HIS 101 - World Civilizations: Beginnings to 1500 C.E.	3 hrs.
HIS 102 - World Civilizations: 1500 to the present	3 hrs.
PHI 151 - Introduction to Philosophy	3 hrs.
PHI 171 - Ethics and Good Living	3 hrs.
REL 131 - Comparative Religion	3 hrs.

**2nd semester (17 hours)**

Course Name	Hours
ACT 364 - Architectural Studio II	4 hrs.
ACT 336 - Construction Documents I	4 hrs.
ACT 450 - Building Information Modeling	3hrs.
AEC 344 - Structural Design	3 hrs.

**Select 1:**

Course Name	Hours
ANT 101 - The Human Experience: A Global Perspective on Human Diversity	3 hrs.
COH 100 - Concepts of Wellness	3 hrs.
ECO 101 - Basic Economics	3 hrs.
GHY 101 - World Geography: Dynamics of a Changing Earth	3 hrs.
PS 101 - American Government	3 hrs.
PSY 110 - General Psychology	3 hrs.
SOC 101 - Understanding Society: Principles of Sociology	3 hrs.

**Senior****1st semester (15 hours)**

Course Name	Hours
ACT 400 - Architectural Studio III	6 hrs.
BCT 478 - Applications of Construction Law	3 hrs.
ENG 203 - World Literature	3 hrs.
AEC 496 - Industrial Internship	1-6 hrs.

**2nd semester (12 hours)**

Course Name	Hours
ACT 401 - Architectural Studio IV (Capstone)	6 hrs.

**Select 1:**

Course Name	Hours
HIS 101 - World Civilizations: Beginnings to 1500 C.E.	3 hrs.
HIS 102 - World Civilizations: 1500 to the present	3 hrs.
PHI 151 - Introduction to Philosophy	3 hrs.
PHI 171 - Ethics and Good Living	3 hrs.
REL 131 - Comparative Religion	3 hrs.

**Select 1:**

<b>Course Name</b>	<b>Hours</b>
ANT 101 - The Human Experience: A Global Perspective on Human Diversity	3 hrs.
COH 100 - Concepts of Wellness	3 hrs.
ECO 101 - Basic Economics	3 hrs.
GHY 101 - World Geography: Dynamics of a Changing Earth	3 hrs.
PS 101 - American Government	3 hrs.
PSY 110 - General Psychology	3 hrs.
SOC 101 - Understanding Society: Principles of Sociology	3 hrs.

**Notes:**