

# PURDUE SCHOOL OF ENGINEERING & TECHNOLOGY - IUPUI

## CURRICULUM FOR DEGREE IN CONSTRUCTION TECHNOLOGY

### ASSOCIATE OF SCIENCE DEGREE (CIVIL ENGINEERING TECHNOLOGY)

#### FRESHMAN YEAR 1<sup>ST</sup> SEMESTER

Course	Hrs
<b>First Semester</b>	
ART 165 Building Systems and Materials	3
ART 117 Construction Graphics and CAD	3
CNT 105 Intro to Construction Technology	3
MATH 153 Algebra and Trigonometry I	3
ENG W131 Elementary Composition	3

#### FRESHMAN YEAR 2<sup>ND</sup> SEMESTER

Course	Hrs
<b>Second Semester</b>	
ART 285 Electrical Systems for Buildings	2
CNT 110 Construction Accounting	3
CNT Elective	3
COMM R110 Fundamentals of Speech Communication	3
Math 154 Algebra and Trigonometry II	3
Humanities or Social Science Elective	3

#### SOPHOMORE YEAR 1<sup>ST</sup> SEMESTER

Course	Hrs
<b>Third Semester</b>	
CET 275 Applied Civil Engineering Drafting	3
ART 284 Mechanical Systems for Buildings	3
CET 104 Fundamentals of Surveying	3
CET 160 Statics	3
PHYS 218 General Physics I	4

#### SOPHOMORE YEAR 2<sup>ND</sup> SEMESTER

Course	Hrs
<b>Fourth Semester</b>	
CET 260 Strength of Materials	3
CET 267 Materials Testing	2
CNT 280 Quantity Survey	3
TCM 220 Technical Report Writing	3
MATH 221 Calculus for Technology I	3
PHYS 219 General Physics II	4
<b>Total Hours for A.S.</b>	<b>66</b>

### BACHELOR OF SCIENCE DEGREE (CONSTRUCTION TECHNOLOGY)

#### JUNIOR YEAR 1<sup>ST</sup> SEMESTER

Course	Hrs
<b>First Semester</b>	
CET 213 Construction and Route Surveying	3
CET 350 Structural Design for Construction	3
CNT 347 Const. Contract Administration and Specifications	3
ECON E201 Intro to Microeconomics	3
Math Elective	3

#### JUNIOR YEAR 2<sup>ND</sup> SEMESTER

Course	Hrs
<b>Second Semester</b>	
CNT 302 Construction Law and Ethics	3
CNT 341 Construction Scheduling and Project Control	3
CNT 452 Construction Safety and Inspection	3
CNT 499 Specialty Construction Topics	3
Humanities or Social Science Elective	3
CNT 390 Construction Work Experience (Summer)	1

#### SENIOR YEAR 1<sup>ST</sup> SEMESTER

Course	Hrs
<b>Third Semester</b>	
CNT 330 Construction Field Operations	3
CNT 342 Construction Cost and Bidding	3
CET 452 Hydraulics and Drainage	3
TCM 340 Correspondence un Business Industry	3
Science Elective	4

#### SENIOR YEAR 2<sup>ND</sup> SEMESTER

Course	Hrs
<b>Fourth Semester</b>	
CNT 447 Construction Project Management	3
CNT 470 Site Development	3
CNT 494 Engineering Economics for Construction	3
CET 430 Soils and Foundations	3
Humanities or Social Science Elective (1)	3
<b>Total Hours for B.S.</b>	<b>128</b>

### HUMANITIES & SOCIAL SCIENCE ELECTIVES

Anthropology / Economics /  
Geography / Political Science /  
Psychology / Sociology

### SCIENCE ELECTIVES

Biology / Chemistry / Computer  
Science / Geology / Mathematics /  
Physics

### CONSTRUCTION TECHNOLOGY (CNT) ELECTIVE

Any course from approved  
Construction Technology List

### MATH ELECTIVES

Any course from the approved Math  
List