

# INDUSTRIAL TECHNOLOGY (CONSTRUCTION TECHNOLOGY CONCENTRATION), BACHELOR OF SCIENCE

## Summary

Code	Title	Hours
Core Curriculum Requirements ( <a href="https://catalog.tsu.edu/undergraduate/general-education-core-curriculum/">https://catalog.tsu.edu/undergraduate/general-education-core-curriculum/</a> )		<b>42</b>
<b>Major Requirements (39 hours)</b>		
CONS 131	Introduction Const Development	3
CONS 141	Construction Materials & Application	2
CONS 141L	Materials and Applications Lab	1
CONS 242 & 242L	Framing Principles and Framing Principles Lab	3
CONS 333	Quantity Surveying	3
CONS 334	Concrete Technology	3
CONS 331	Models & Presentations	3
CONS 341	MEPFI Systems	3
CONS 344	Const Mgmt I	3
CONS 433	Estimating	3
CONS 435	Contracts & Specs	3
CONS 436	Const Mgmt II	3
CONS 437	Const Problems	3
CONS 475	Facilities management	3
<b>Other Requirements (44 hours)</b>		
ACCT 231	Principles Of Accounting I	3
CIVT 231	Plane Surveying I	3
DRFT 131	Fundamentals Of Drafting	3
DRFT 133	Architectural Drafting	3
DRFT 232	Architectural Design	3
DRFT 431	Structural Drafting and Design	3
ELET 131	DC Circuits	3
FS 102	Freshman Seminar/ first Year Experience	1
ITEC 331	Technical Writing	3
ITEC 333	Ind Superv & Management	3
ITEC 412	Senior Seminar	1
ITEC 439	Industrial Safety	3
MATH 1325	Math and Bus for Econ Anal II	3
MFG 333	Strength Of Materials	3
Elective courses (6 hours)		6
<b>Total Hours</b>		<b>125</b>

Course	Title	Hours
<b>First Year</b>		
<b>First Semester</b>		
ARTS 1315	Intro African Art	3
CONS 131	Introduction Const Development	3

ENGL 1301	Freshman English I	3
DRFT 131	Fundamentals Of Drafting	3
MATH 1314	College Algebra	3
FS 102	Freshman Seminar/ first Year Experience	1
<b>Hours</b>		<b>16</b>

<b>Second Semester</b>		
CONS 141	Construction Materials & Application	2
CONS 141L	Materials and Applications Lab	1
CHEM 1311 or BIOL 1308	Chemistry I or Survey of Life Science	3
ELET 131	DC Circuits	3
ENGL 1302	Freshman English II	3
MATH 1325	Math and Bus for Econ Anal II	3
COSC 1301	Intro To Compr Science I	3
<b>Hours</b>		<b>18</b>

<b>Second Year</b>		
<b>Third Semester</b>		
CIVT 231	Plane Surveying I	3
CONS 242	Framing Principles	1
CONS 242L	Framing Principles Lab	2
DRFT 133	Architectural Drafting	3
ENG 2XX (Upper Level)		3
HIST 1301	Soc & Pol Hist US to 1877	3
POLS 2305	American Government	3
<b>Hours</b>		<b>18</b>

<b>Fourth Semester</b>		
CONS 334	Concrete Technology	3
DRFT 232	Architectural Design	3
PHYS 1301	College Physics I	3
HIST 1302	Soc & Pol Hist US Since 1877	3
POLS 2306	Texas Government	3
COMM 1321 or COMM 1315	Business & Professional Comm or Public Address	3
<b>Hours</b>		<b>18</b>

<b>Third Year</b>		
<b>Fifth Semester</b>		
ECON 2301	Principles Of Economics I	3
CONS 333	Quantity Surveying	3
CONS 344	Const Mgmt I	3
ITEC 331	Technical Writing	3
ITEC 333	Ind Superv & Management	3
ITEC 439	Industrial Safety	3
<b>Hours</b>		<b>18</b>

<b>Sixth Semester</b>		
ACCT 231	Principles Of Accounting I	3
CONS 331	Models & Presentations	3
CONS 341	MEPFI Systems	3
CONS 433	Estimating	3
MFG 333	Strength Of Materials	3
<b>Hours</b>		<b>15</b>

**Fifth Year**

**Seventh Semester**

CONS 436	Const Mgmt II	3
CONS 435	Contracts & Specs	3
DRFT 431	Structural Drafting and Design	3
Elective		3
<b>Hours</b>		<b>12</b>

**Eighth Semester**

CONS 437	Const Problems	3
ITEC 412	Senior Seminar	1
CONS 475	Facilities management	3
Elective		3
Comprehensive Examination		0
<b>Hours</b>		<b>10</b>
<b>Total Hours</b>		<b>125</b>