

# ELECTRONICS ENGINEERING TECHNOLOGY, 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 (61 hours)</b>		
ELET 111	DC Circuits Lab	1
ELET 113	AC Circuits Lab	1
ELET 114	Electronics I Laboratory	1
ELET 131	DC Circuits	3
ELET 133	AC Circuits	3
ELET 134	Electronics I	3
ELET 212	Electronics II Lab	1
ELET 215	Digital Systems Lab	1
ELET 232	Electronics II	3
ELET 235	Digital Systems	3
ELET 311	Communications Systems Lab	1
ELET 312	Control Systems Lab	1
ELET 313	Microprocessor Arch Lab	1
ELET 331	Communications Systems	3
ELET 332	Control Systems	3
ELET 333	Microprocessor Architecture	3
ELET 410	Computer Control Sys Lab	1
ELET 411	Microcomputer Networks Lab	1
ELET 413	Microprocessor Interfacing Lab	1
ELET 422	Advanced Struc Prog with C++	3
ELET 430	Computer Control System	3
ELET 431	Microprocessor Interfacing	3
ELET 434	Microcomputer Networks	3
ELET 440	Senior Electronics Project	4
ELET 441	Electronics Senior Comps	0
<b>Other Requirements (22 hours)</b>		
CHEM 111	Chemistry I Lab	1
ENGT 331	Engineering Economy	3
ENGT 333	Ethics in Prof Eng Practice	1
DRFT 233	Intro Comp-Aided Design	3
ITEC 331	Technical Writing	3
MATH 134	Plane Trigonometry	3
MATH 2413	Calculus & Analytic Geomtry I	4
MATH 2414	Calculus&Analytic Geometry II	4
MATH 345	Applied Mathematics and Statistics for Scientists and Engineers	3
PHYS 213	College Phys Lab I	1
PHYS 214	College Phys Lab II	1
PHYS 1302	College Physics II	3
ENGT 111	Intro to Project Mgmt	1

FS 102	Freshman Seminar/ first Year Experience	1
<b>Total Hours</b>		<b>125</b>
<b>Course</b>	<b>Title</b>	<b>Hours</b>
<b>First Year</b>		
<b>First Semester</b>		
ELET 111	DC Circuits Lab	1
ELET 131	DC Circuits	3
MATH 1314	College Algebra	3
ENGL 1301	Freshman English I	3
COSC 1301	Intro To Compr Science I	3
ENGT 111	Intro to Project Mgmt	1
FS 102	Freshman Seminar/ first Year Experience	1
<b>Hours</b>		<b>15</b>
<b>Second Semester</b>		
ELET 113	AC Circuits Lab	1
ELET 133	AC Circuits	3
MATH 134	Plane Trigonometry	3
	or MATH 2312 or Precalculus Math	
ENGL 1302	Freshman English II	3
CHEM 111	Chemistry I Lab	1
CHEM 1311	Chemistry I	3
COMM 1321	Business & Professional Comm	3
	or COMM 1315 or Public Address	
<b>Hours</b>		<b>17</b>
<b>Second Year</b>		
<b>Third Semester</b>		
ELET 114	Electronics I Laboratory	1
ELET 134	Electronics I	3
MATH 2413	Calculus & Analytic Geomtry I	4
PHYS 1301	College Physics I	3
PHYS 214	College Phys Lab II	1
ENG 2XX Any 200-Level English		3
<b>Hours</b>		<b>15</b>
<b>Fourth Semester</b>		
ELET 212	Electronics II Lab	1
ELET 232	Electronics II	3
MATH 2414	Calculus&Analytic Geometry II	4
PHYS 213	College Phys Lab I	1
PHYS 1302	College Physics II	3
ELET 215	Digital Systems Lab	1
ELET 235	Digital Systems	3
<b>Hours</b>		<b>16</b>
<b>Third Year</b>		
<b>Fifth Semester</b>		
ELET 313	Microprocessor Arch Lab	1
ELET 333	Microprocessor Architecture	3
MATH 345	Applied Mathematics and Statistics for Scientists and Engineers	3
ENGT 331	Engineering Economy	3
DRFT 233	Intro Comp-Aided Design	3
POLS 2305	American Government	3
<b>Hours</b>		<b>16</b>

**Sixth Semester**

ELET 311	Communications Systems Lab	1
ELET 331	Communications Systems	3
ITEC 331	Technical Writing	3
ELET 422	Advanced Struc Prog with C++	3
MUSI 1315	Fine Arts In Daily Living	3
POLS 2306	Texas Government	3
ENGT 333	Ethics in Prof Eng Practice	1
<b>Hours</b>		<b>17</b>

**Fourth Year****Seventh Semester**

ELET 312	Control Systems Lab	1
ELET 332	Control Systems	3
ELET 411	Microcomputer Networks Lab	1
ELET 434	Microcomputer Networks	3
SOCI 1301	Introduction To Sociology	3
HIST 1301	Soc & Pol Hist US to 1877	3
<b>Hours</b>		<b>14</b>

**Eighth Semester**

ELET 410	Computer Control Sys Lab	1
ELET 430	Computer Control System	3
ELET 413	Microprocessor Interfacing Lab	1
ELET 431	Microprocessor Interfacing	3
ELET 440	Senior Electronics Project	4
ELET 441	Electronics Senior Comps	0
HIST 1302	Soc & Pol Hist US Since 1877	3
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>125</b>