

COMPUTER ENGINEERING TECHNOLOGY, BACHELOR OF SCIENCE

Summary

Code	Title	Hours
Core Curriculum Requirements (https://catalog.tsu.edu/undergraduate/general-education-core-curriculum/)		42
Major Requirements (47 hours)		
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 215	Digital Systems Lab	1
ELET 235	Digital Systems	3
ELET 313	Microprocessor Arch Lab	1
ELET 333	Microprocessor Architecture	3
ELET 422	Advanced Struc Prog with C++	3
CMET 412	Senior Project I	1
CMET 416	Appl of Microproc Software Lab	1
CMET 417	Data Communication Mthds Lab	1
CMET 331	Microcomputer Operating System	3
CMET 432	Senior Project II	3
CMET 435	Advanced Microcomp Networks	3
CMET 436	Appl of Microproc Software	3
CMET 437	Data Communication Mthds	3
CMET 438	Artificial Intelligence	3
CMET 441	Computer Engr Tech Comp Exam	0
CMET 470	Java Programming	3
Other Requirements (31 hours)		
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
FS 102	Freshman Seminar/ first Year Experience	1
Total Hours		120

Course	Title	Hours
First Year		
First Semester		
ELET 111	DC Circuits Lab	1
ELET 131	DC Circuits	3
ENGL 1301	Freshman English I	3
MATH 1314	College Algebra	3
COSC 1301	Intro To Compr Science I	3
ENGT 333	Ethics in Prof Eng Practice	1
FS 102	Freshman Seminar/ first Year Experience	1
Hours		15
Second Semester		
ELET 113	AC Circuits Lab	1
ELET 133	AC Circuits	3
ENGL 1302	Freshman English II	3
MATH 134	Plane Trigonometry	3
CHEM 111	Chemistry I Lab	1
CHEM 1311	Chemistry I	3
COMM 1321 or COMM 1315	Business & Professional Comm or Public Address	3
Hours		17
Second Year		
Third Semester		
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 213	College Phys Lab I	1
ENG 2XX Any 200-level English		3
Hours		15
Fourth Semester		
ELET 215	Digital Systems Lab	1
ELET 235	Digital Systems	3
MATH 2414	Calculus&Analytic Geometry II	4
PHYS 1302	College Physics II	3
PHYS 214	College Phys Lab II	1
MUSI 1315	Fine Arts In Daily Living	3
Hours		15
Third Year		
Fifth Semester		
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
Hours		16
Sixth Semester		
CMET 331	Microcomputer Operating System	3
ITEC 331	Technical Writing	3
POLS 2306	Texas Government	3

ELET 422	Advanced Struc Prog with C++	3
CMET 417	Data Communication Mthds Lab	1
CMET 437	Data Communication Mthds	3
Hours		16
Fourth Year		
Seventh Semester		
CMET 435	Advanced Microcomp Networks	3
CMET 412	Senior Project I	1
CMET 416	Appl of Microproc Software Lab	1
CMET 436	Appl of Microproc Software	3
SOCI 1301	Introduction To Sociology	3
HIST 1301	Soc & Pol Hist US to 1877	3
Hours		14
Eighth Semester		
CMET 438	Artificial Intelligence	3
CMET 470	Java Programming	3
CMET 432	Senior Project II	3
HIST 1302	Soc & Pol Hist US Since 1877	3
CMET 441	Computer Engr Tech Comp Exam	0
Hours		12
Total Hours		120