

PVAMU Degree Sequence

College/Department: Engineering/Electrical and Computer Engineering
Program/Major: Computer Engineering

Degree: BS
Total Program Hours: 126

FIRST YEAR Freshman

Fall Semester			Spring Semester			Summer Semester		
Course Number	Course Name	Hrs	Course Number	Course Name	Hrs	Course Number	Course Name	Hrs
ENGL 1301	Freshman Composition I	3	ENGL 2311	Technical Writing	3			
MATH 2413	Calculus and Analytic Geometry I	4	MATH 2414	Calculus and Analytic Geometry II	4			
ELEG 1101	Intro Engr Computer Sci & Tech	1	ELEG 1321	Programming for Computer Engineering II	3			
ELEG 1102	Intro Elect and Comp Engr Lab	1	PHYS 2325	University Physics I	3			
ELEG 1301	Programming for Computer Engineering I	3	PHYS 2125	University Physics Lab I	1			
COMM 1311	Fundamentals of Speech Communications	3	CVEG 2304	Global Development Issues	3			
		Total = 15			Total = 17			Total = 0

SECOND YEAR Sophomore

Fall Semester			Spring Semester			Summer Semester		
Course Number	Course Name	Hrs	Course Number	Course Name	Hrs	Course Number	Course Name	Hrs
MATH 2320	Differential Equations I	3	ELEG 2305	Network Theory I	3			
PHYS 2326	University Physics II	3	ELEG 2101	Electric Circuits Lab	1			
PHYS 2126	University Physics Lab II	1	ELEG 2131	Logic Circuits Lab	1			
CHEM 1403	Chemistry for Engineers (Substitution CHEM 1303 and 1304)	4	ELEG 2311	Logic Circuits	3			
CHEM 1112	General Chemistry Laboratory II	1	ELEG 2331	Advanced Programming and Applications	3			
ELEG 2321	Data Structure and Algorithm with Python	3	CHEG 2308	Economic Analysis of Technical Applications	3			
		Total = 15			Total = 17			Total = 0

THIRD YEAR Junior

Fall Semester			Spring Semester			Summer Semester		
Course Number	Course Name	Hrs	Course Number	Course Name	Hrs	Course Number	Course Name	Hrs
MATH 3302	Probability and Statistics	3	ELEG 3302	Signals and Systems	3			
ELEG 3301	Network Theory II	3	ELEG 3307	Microprocessor Systems Design	3			
ELEG 4330	Digital Design	3	ELEG 3107	Microprocessor Systems Design Laboratory	1			
MATH 2305	Discrete Math	3	ELEG 3304	Electronics I	3			
ELEG 3303	Physical Principles of Solid State Devices	3	ELEG 4339	Computer Architecture and Organization	3			
HIST 1301	U. S. to 1876	3	HIST 1302	U. S. 1876 to Present	3			

Total = 18

Total = 16

Total = 0**FOURTH YEAR Senior****Fall Semester**

Course Number	Course Name	Hrs
ELEG 4325	Embedded Systems Design	3
ELEG 4247	Senior Design and Professionalism I	2
POSC 2305	American Government	3
	Technical Elective	3
	Technical Elective	3
Total =		14

Spring Semester

Course Number	Course Name	Hrs
ELEG 4333	Computer Networks	3
ELEG 4248	Senior Design and Professionalism II	2
POSC 2306	Texas Government	3
	Technical Elective	3
	Language, Philosophy and Culture	3
Total =		14
Total Degree Credits = 126		

Summer Semester

Course Number	Course Name	Hrs
Total =		0