

Prairie View A&M University
Department of Electrical and Computer Engineering
BS Computer Engineering Degree Plan Worksheet

 Last Name First Name Student ID Date Catalog Yr

Grade = A, B, C, D, F, or T- for transfer

Freshman First Semester	Grade	Freshman Second Semester	Grade
Freshman Comp I -ENGL 1123		Tech. Writing - ENGL 1143	
Calculus I- MATH 1124		Calculus II- MATH 2024	
Engr. Appl Lab II for Math-GNEG 1121		Engr. Appl Lab III for Math -GNEG 2021	
Intro. Engr CS Tech - ELEG 1011		Comp. Sci. II COMP 1224	
Intro Elect. Lab - ELEG 1021		Univ. Phy. I -PHYS 2513	
Comp. Sci. I -COMP 1213		Univ. Phy. Lab I- PHYS 2511	
COMP 1211			
Fund. Of Speech -COMM 1003			
Sophomore First Semester	Grade	Sophomore Second Semester	Grade
Diff. Equations -MATH 2043		Network Theory I- ELEG 2023	
Univ. Phy. II-PHYS 2523		Elect. Cir. Lab -ELEG 2011	
Univ. Phy. Lab II-PHYS 2521		Discrete Math -MATH 2053	
Chem. For Engrs.-CHEM 1034 (or substitution CHEM 1033/Chem 1043)		Thermodynamics I- MCEG 2013	
Chem. Lab II-CHEM 1021		Statics & Dynamics -CVEG 2454	
US to 1876-HIST 1313		Econ Analy Tech App -CHEG 2003	
Data Structures- COMP 2013			
Note: All Freshman (1000) and Sophomore (2000) level courses must be completed to take Junior level courses.			
Junior First Semester (¹ Fall Only)	Grade	Junior Second Semester (² Spring Only)	Grade
Prob. & Statistics -MATH 3023		² Signals & Systems -ELEG 3023	
¹ Network Theory II- ELEG 3013		² Microproc. Sys. Desg -ELEG 3073	
¹ Logic Circuits - ELEG 3063		² Microproc. Sys. Lab -ELEG 3071	
¹ Logic Circuits Lab - ELEG 3021		² Electronics I -ELEG 3043	
¹ Phys. Electronics- ELEG 3033		² Comp. Arch. & Org. -ELEG 4393	
US 1876 to Present - HIST 1323		American Govt. I -POSC1113	
		Prof. Engr. I - GNEG 3061	
Senior First Semester (¹ Fall Only)	Grade	Senior Second Semester (² Spring Only)	Grade
¹ Embedded Sys Desg -ELEG 4253		² Computer Networks -ELEG 4333	
¹ Digital Design - ELEG 4303		² Senior Desg & Prof. II- ELEG 4482	
¹ Senior Desg & Prof. I- ELEG 4472		Technical Elective	
Texas Government - POSC1123		Creative Arts	
Language, Philosophy and Culture			

Total of 126 hours

Advisor's Name (print): _____

Advisor's Name (signature) _____ Date: _____

Language, Philosophy and Culture		Computer Engineering Technical Electives	
ARCH 2233	History of Architecture I (ARCH 1301)	COMP 3063	Operation Systems
ARCH 2243	History of Architecture II (ARCH 1302)	COMP 3113	Object-Oriented Analysis and Design
ARTS 2223	History of Art I (ARTS 1303)	COMP 3223	Software Engineering
ARTS 2233	History of Art II (ARTS 1304)	COMP 4953	Data Base Management
DRAM 2123	Theatre History (DRAM 2362)	ELEG 4053	Digital Signal Processing
ENGL 2153	Introduction to Literature (ENGL 2341)	ELEG 4263	VLSI Circuit Design
ENGL 2383	Survey of World Literature (ENGL 2331)	ELEG 4273	Analog and Mixed Signal Techniques I
ENGL 2333	Studies in Literature (ENGL 2342)	ELEG 4343	Microcontroller Applications
HUMA 1303	Introduction to Humanities (HUMA 1301)	ELEG 4353	Advanced Logic Design
HUMA 1403	Survey of Mexican-American Culture (HUMA 1305)	MATH 3073	Linear Algebra
PHIL 2023	Ethics (PHIL 2306)	ECE Lab Electives	
PHIL 2303	Critical Thinking (PHIL 2303)	ELEG 3041	Microelectronic Processing and Characterization Lab
SPAN 2023	Intermediate Spanish II (SPAN 2312)	ELEG 4031	Communications Lab
Creative Arts		ELEG 4021	Power Laboratory
DRAM 2213	African American Theatre I	ELEG 4151	Digital Signal Processing
DRAM 2223	African American Theatre II	ELEG 4291	Mixed Signal Testing Techniques Lab
ARCH 1253	Architecture Design (ARCH 1303)	ELEG 4311	Advanced Logic Design Laboratory
ARTS 1203	Introduction to Visual Arts (ARTS 1301)		
ARTS 2283	African American Art		
COMM 2643	Media Literacy (COMM 2300)		
DRAM 1103	Introduction to Theatre (DRAM 1310)		
HCOL 1213	Honors Colloquium II		
MUSC 1313	Music in Contemporary Life (MUSI 1306)		
MUSC 1213	Fundamentals of Music (MUSI 1304)		
MUSC 2333	Afro-American Music		
MUSC 2343	Survey of World Music		