

UNIVERSITY OF THE DISTRICT OF COLUMBIA
SCHOOL OF ENGINEERING AND APPLIED SCIENCES
Department of Electrical and Computer Engineering
OFFICIAL ADVISORY FORM (Starting Fall 2017)

Program ELECTRICAL ENGINEERING

Name of Student _____

Student ID # _____

Name of Advisor _____

Room # _____

First Semester				Second Semester			
Course #	Subject	Credits	Grade	Course #	Subject	Credits	Grade
IGED 110	Found. Writing I	3		IGED 111	Found. Writing II	3	
CHEM 111	General Chemistry I Lec.	3		MATH 152	Calculus II Lec.	3	
CHEM 113	General Chemistry I Lab	1		MATH 156	Calculus II Lab	1	
MATH 151	Calculus I Lec.	3		PHYS 201	University Physics I Lec	3	
MATH 155	Calculus I Lab	1		PHYS 205	University Physics I Lab	1	
CCEN 101	Intro. to Engineering	2		APCT 231	Intro. to Comp. Sci. I Lec	3	
IGED 130	Found. Oral Comm.	3		APCT 233	Intro. to Comp. Sci. I Lab	1	
TOTAL CREDITS		16		TOTAL CREDITS		15	

Third Semester				Fourth Semester			
Course #	Subject	Credits	Grade	Course #	Subject	Credits	Grade
IGED 210	Discovery Writing	3		IGED 140	Foundation Ethics	3	
PHYS 202	University Physics II Lec.	3		MATH 260	Differential Eq. with Linear Alg.	4	
PHYS 206	University Physics II Lab	1		PHYS 203	University Physics III Lec.	3	
CVEN 201	Engineering Mechanics I	3		PHYS 207	University Physics III Lab	1	
ELEC 225	Electrical Circuits Lec.	3		ELEC 241	Assembly Language and Microprocessor Lec.	3	
ELEC 226	Electrical Circuits Lab	1		ELEC 242	Assembly Language and Microprocessor Lab	1	
TOTAL CREDITS		14		TOTAL CREDITS		15	

Fifth Semester				Sixth Semester			
Course #	Subject	Credits	Grade	Course #	Subject	Credits	Grade
ELEC 301	Engineering Mathematics	3		CVEN 308	Applied Numerical Analysis for Engineers	3	
ELEC 315	Comp. Organization Lec.	3		ELEC 352	Electronics II Lec.	3	
ELEC 316	Comp. Organization Lab	1		ELEC 354	Electronics II Lab	1	
ELEC 351	Electronics I Lec.	3		ELEC 307	Prob. and Stat. for Eng.	3	
ELEC 353	Electronics I Lab	1		ELEC 371	Signals and Systems Lec.	3	
ELEC 356	Physical Electronics	3		ELEC 374	Signals and Systems Lab	1	
ELEC 361	Electromagnetic Theory	3		IGED 280	Discovery Civics	3	
TOTAL CREDITS		17		TOTAL CREDITS		17	

Seventh Semester				Eighth Semester			
Course #	Subject	Credits	Grade	Course #	Subject	Credits	Grade
ELEC 467	Fund. of Comm. Lec	3		IGED 270	Discovery Diversity	3	
ELEC 476	Fund. of Comm. Lab	1		ELEC 496	Senior Project II (Capst.)*	3	
ELEC 470	Control Sys. & Appl. Lec.	3		ELEC xxx	Electrical Eng. Elective**	4	
ELEC 477	Control Sys. & Appl. Lab	1		ELEC xxx	Electrical Eng. Elective**	3	
ELEC 495	Senior Project I (Capst.)*	3		MECH 406	Engineering Economics	3	
ELEC xxx	Electrical Eng. Elective**	4					
ELEC xxx	Electrical Eng. Elective**	3					
TOTAL CREDITS		18		TOTAL CREDITS		16	

TOTAL CREDITS

128

*Will contain intensive writing component

**Electrical Engineering Electives (most current): ELEC 458, ELEC 469/473, ELEC 471, ELEC 474, ELEC 478/479, ELEC 480/483, ELEC 463, ELEC 461/462, ELEC 468, MECH 478, MECH 487, MECH 461, ELEC410, ELEC420, or equivalent CS 400 level courses.

NOTE: One of the EE electives selected must have a lab course (4 credits for the course and lab).

A completed copy of this form must accompany each student's Graduation Clearance Form

Electrical Engineering Program Required Courses Pre-Requisites and Co-requisites

Course #	Pre-Requisites	Co-requisites
CCEN 101	Engineering Freshman Status	None
CVEN 201	PHYS 201, PHYS 205	None
ELEC 225	PHYS 201, PHYS 205	ELEC 226
ELEC 226	PHYS 201, PHYS 205	ELEC 225
ELEC 241	APCT 231, and APCT 233	ELEC 242
ELEC 242	APCT 231, and APCT 233	ELEC 241
ELEC 301	MATH 152, MATH 156, MATH 260	None
ELEC 307	MATH 152, MATH 156	None
CVEN 308	MATH 260	None
ELEC 315	ELEC 225, ELEC 226	ELEC 316
ELEC 316	ELEC 225, ELEC 226	ELEC 315
ELEC 351	ELEC 225, ELEC 226	ELEC 353
ELEC 352	ELEC 351, ELEC 353	ELEC 354
ELEC 353	ELEC 225, ELEC 226	ELEC 351
ELEC 354	ELEC 351, ELEC 353	ELEC 352
ELEC 356	PHYS 203, PHYS 207	None
ELEC 361	PHYS 201, PHYS 205, ELEC 225, ELEC 226	
ELEC 371	ELEC 351, ELEC 353, ELEC 301	ELEC 374
ELEC 374	ELEC 351, ELEC 353, ELEC 301	ELEC 371
MECH 406	Senior Standing	
ELEC 467	ELEC 307, ELEC 371, ELEC 374	ELEC 476
ELEC 470	ELEC 371, ELEC 374	ELEC 477
ELEC 476	ELEC 307, ELEC 371, ELEC 374	ELEC 467
ELEC 477	ELEC 371, ELEC 374	ELEC 470
ELEC 495	ELEC 315, ELEC 316, ELEC 352, ELEC 353, ELEC 371, ELEC 374	None
ELEC 496	ELEC 495	None

Electrical Engineering Program Elective Courses Pre-Requisites and Co-requisites

Course #	Pre-Requisites	Co-requisites
ELEC 410	ELEC 467	None
ELEC 420	ELEC 352, ELEC 354	None
ELEC 458	ELEC 371, ELEC 374	None
ELEC 461	ELEC 352, ELEC 354	ELEC 462
ELEC 462	ELEC 352, ELEC 354	ELEC 461
ELEC 463	ELEC 352, ELEC 354, ELEC 361	None
ELEC 469	ELEC 467, ELEC 476, ELEC 307	ELEC 473
ELEC 471	ELEC 470, ELEC 477	
ELEC 473	ELEC 467, ELEC 476, ELEC 307	ELEC 469
ELEC 480	ELEC 315, ELEC 316	ELEC 483
ELEC 483	ELEC 315, ELEC 316	ELEC 480
ELEC 478	ELEC 315, ELEC 316, ELEC 352, ELEC 354	ELEC 479
ELEC 479	ELEC 315, ELEC 316, ELEC 352, ELEC 354	ELEC 478