PLAN OF STUDY
(2018)
ELECTRIAL ENGINEERING COURSES[1]
VINCENNES UNIVERSITY
This plan meets the requirements for an AS degree in Engineering Science at Vincennes University

FIRST YEAR **FALL**		FIRST YEAR **SPRING**	
MATH 118 – Calculus w/Anal Geom 1	5	MATH 119 – Calculus II	5
CHEM 105 – General Chemistry	3	PHYS 205 – Physics I	3
CHML 105L - Chemistry Lab	2	PHYS 205 – Physics I Lab	2
CSCI 126 – Intro to Computer Tools	2	CSCI 159 – C Programming	3
ENGR 131 – Intro to Engr	2	ENGL 102 – English Comp II[3] **OR**	
ENGL 101 – English Comp I[2]	3	ENGL 112 – Rhetoric and Research[3]	3
	17	COMM 143 – Speech[4]	3
		PFWL 115 – Concepts in Wellness	1
			20

SECOND YEAR **FALL**		SECOND YEAR **SPRING**	
MATH 220 – Intermediate Calculus	4	MATH 223 - Differential Equations	4
PHYS 206 – Physics II	4	ENGR 218 -Linear Circuits II	3
PHYS 206L– Physics II Lab	1	ENGS 218L – Electronic Devices Lab	1
ENGR 217 – Linear Circuits I	3	ENGR 255 - Intro Electronic Anal & Des	3
ENGS 217L – Electric Meas. Tech	1	Humanities Elective[5]	3
ENGR 266 – Intro Digital Sys Design	3	Social Science Elective[6]	3
ENGS 266L – Dig System Lab	1		17
	17		

REMARKS:

(1) **All courses shown here will transfer in the same way even if the entire plan is not completed.**
(2) **ENGL 101 satisfies Free Elective at UE and Overlay E.**
(3) **Satisfies UE General Education Outcome 1 and Overlay E**
(4) **COMM 143 is required for AS degree at VU; it satisfies UE general education Outcome 9**
(5) **Choose from FREN 103, GRMN 103, SPAN 103, LITR 100, LITR 220**
(6) **Choose from HIST 139, 140, 235, 236, POLS 211, SOCL 151, 154**
Extra credits in Calculus, Chemistry, Physics satisfy requirement for ENGR 212 at UE

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THIRD YEAR FALL		THIRD YEAR SPRING	
EE 310 - Linear Systems & DSP I	3	EE 311 – Linear Systems and DSP II	3
EE 320 – Engineering Electromagnetics	3	EE 360 – Linear Control Systems	3
EE 354 - Digital Systems	3	EE 380 - Intermediate Project Lab	2
Mathematics Elective	3	EE 454 – Adv Microcontrollers	3
EE 343 – Electronics II	3	EE 494 - Sr. Project Seminar	0
General Education[1]	3	EE 224 Programming Lab	2
	18	General Education[1]	3
			16

FOURTH YEAR FALL		FOURTH YEAR SPRING	
EE 495 - Sr. Project I	3	EE 497 - Sr. Project II	3
EE 470 – Communication Theory	3	EE 471 Communications II	3
EE 421 – Photonics I	3	EE Elective	3
EE 430 – Energy Conversion	3	General Education[1]	3
EE Elective	3	Foreign Language II[2]	3
Foreign Language I[2]	3		15
	18		

REMARKS:

(1) **The open General Education courses must be chosen to satisfy both Outcomes and Overlays**
(2) **Two Semester Sequence of any foreign language. May also be satisfied by transfer or proficiency examination**