Recommended Plan of Study
Electrical Engineering, BSEE 2+2 Dual-Enrollment Option

ELECTRICAL ENGINEERING: SAMPLE SEMESTER STUDY PLAN

The following Plan of Study shows one *potential* list of courses that satisfies all requirements for a student pursuing the Engineering Science / Electrical Engineering AS degree at Vincennes and the Electrical Engineering BS degree at Purdue-West Lafayette. Individual plans of study may vary.

Vincennes University

Semester 1		*Semester 2*	
MATH 118: Calculus/Analytic Geometry I	5	MATH 119: Calculus/Analytic Geometry II	5
CHEM 105: General Chemistry I	3	PHYS 205: Physics for Sci/Engr. I	5
CHEM 105L: General Chemistry I Lab	2	CSCI 159 - C Programming for Engineers	3
*ENGL 112: Rhetoric and Research	3	COMM 143: Speech	3
CSCI 126: Intro to Comp Tools Sci & Engr	2		
ENGR 131: Intro to Engineering	2		
TOTAL	**17**	**TOTAL**	**16**

Semester 3		*Semester 4*	
MATH 220: Intermediate Calculus	4	MATH 223: Differential Eq/Linear Algebra	4
ENGR 217: Linear Circuits I	3	ENGR 218 - Linear Circuits II	3
ENGR 217L - Electronic Meas Tech	1	ENGR 218L - Electronic Devices Lab	1
ENGR 266 - Intro Digital System Design	3	ENGR 255 - Intro to Electron Anal Design	3
ENGR 266L - Digital Sys Design Lab	1	Humanities Elective	3
PHYS 206: Physics for Sci/Engr II	4	Social Science Elective	3
TOTAL	**16**	**TOTAL**	**17**

Purdue University – West Lafayette

Semester 5		*Semester 6*	
ECE 30100 Signals and Systems	3	ECE 30200: Probalistic Methods	3
ECE Advanced EE Selective	3	ECE 31100: Elec and Magnetic Fields	3
ECE ECE elective	1	ECE Advanced EE Selective	3
Cmpl Ele Complementary Elective	2	ECE Selective (lab)	1
Egr BR Engineering Bredth Req	3	General Education Elective	3
GEE General Education Elective	3	Math 265 Linear Algebra	3
TOTAL	**15**	**TOTAL**	**16**

Semester 7		*Semester 8*	
ECE 40000: Elec Eng Undergrad Sem	1	ECE Advanced EE Selective (w lab)	4
ECE 40200: EE Design Projects	3	ECE ECE Selective (w lab)	4
ECE ECE Elective	3	GEE General Education Elective	3
GEE General Education Elective	3	Cmpl Ele Complementary Elective	3
Cmpl Ele Complementary Elective	3		
Sci sel (Purdue has this in semester 2)	4		
TOTAL	**17**	**TOTAL**	**14**

*ENGL101 English Comp I <u>and</u> ENGL102 English Comp II can be substituted for ENGL112

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Notes: Purdue requires 32 credit hours at Purdue taken at the 300 level or higher.

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ELECTRICAL ENGINEERING COURSE BY COURSE TRANSFER RELATIONSHIP:

	Purdue University Courses			Vincennes University Courses		
	number and name	**cr.**		**number and name**	**cr.**	**Notes**
	CHM 11500: General Chemistry	4	=	CHEM 105 and CHEM 105L: General Chemistry I, with lab	5	CTL
	COM 11400: Fundamentals Speech	3	=	COMM 143: Speech	3	CTL
	CS 15900 C Programming For Engr	3		CSCI 159 - C Programming for Eng	3	
	ECE 20100 Linear Circuit Anly I	3	=	ENGR 217 - Linear Circuits I	3	
	ECE 20200 Linear Circuit II	3	=	ENGR 218 - Linear Circuits II	3	
	ECE 20700 Elect Measure	1	=	ENGR 217L – Electronic Measure	1	
	ECE 20800 Electron Dev & Des Lab	1	=	ENGR 218L - Electron Dev & Des Lab	1	
	ECE 25500 Intr. Electron Anly Des	3	=	ENGR 255 - Intr Electron Anly & Des	3	
	ECE 27000 Intro Digital Sys Design	4		ENGR 266 - Intro Dig Sys Desgn(3)+ ENGR 266L - Digital Sys Lab (1)	4	
	ENGL 10600: First-Year Composition	4	=	ENGL 101 **and** 102: English Composition I + II	6	PTD
	ENGL 10800: Accelerated First-Year Composition	3	=	ENGL 112: Rhetoric and Research	3	PTD
	ENGR 13100: Ideas to Innovation I	2		ENGR 13100: Ideas to Innovation I	2	
	ENGR 13200: Ideas to Innovation II	2	=	CSCI 126: Intro Comp Tools for Engin	2	
	MA 16100: Plane Analytic Geometry + Calculus I	5	=	MATH 118: Calculus / Analytic Geometry	5	PTD, CTL
	MA 16200: Plane Analytic Geometry + Calculus II	5	=	MATH 119: Calculus / Analytical Geometry II	5	PTD, CTL
	MA 26100: Multivariate Calculus	4	=	MATH 220: Intermediate Calculus	4	PTD
	MA 26200: Linear Algebra and Differential Equations	4	=	MATH 223: Differential Equations with Linear Algebra	4	PTD
	PHYS 17200: Modern Mechanics	4	=	PHYS 205: Physics for Science and Engineering I	5	PTD, CTL
	PHYS 24100: Electricity and Optics	3	=	PHYS 206: Physics for Science and Engineering II	4	PTD, CTL
	ECE 20000 Elec & Comp Engr Seminar (taught semester 3)	0	=	None		

(left margin, rotated: Courses required for Purdue BSEE program)

PTD = Purdue Transfer Database; CTL = Indiana Core Transfer Library;

Additionally, many courses in the humanities and social sciences are listed in the Indiana Core Transfer Library, and can transfer from Vincennes to satisfy part of the General Education requirement of BSEE.

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