

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

COMPUTER 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	<i>Semester 1</i>		<i>Semester 2</i>	
	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	COMM 143: Speech	3
	*ENGL 112: Rhetoric and Research	3	Social Science Elective	3
	CSCI 126: Intro to Comp Tools Sci & Engr	2		
	ENGR 131: Intro to Engineering	2		
	TOTAL		TOTAL	16
		17		
	Vincennes University	<i>Semester 3</i>		<i>Semester 4</i>
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	CSCI 159 – C Programming for Engineers	3
TOTAL		16	TOTAL	17
Purdue University – West Lafayette		<i>Semester 5</i>		<i>Semester 6</i>
	ECE 26400 Advanced C Programming	3	ECE 30200: Probabilistic Methods	3
	ECE 30100 Signals and Systems	3	ECE 33700 ASIC Design Lab	2
	ECE 36200 Micropro Sys & Intrafac	4	ECE 36400 Sfwr Engr Tools Lab	1
	GEE General Education Elective	3	ECE 36800 Data Structures	3
	GEE General Education Elective	3	ECE 36900 Disc Math for Comp Eng	3
			GEE General Education Elective	3
	TOTAL	16		
			TOTAL	15
	Purdue University – West Lafayette	<i>Semester 7</i>		<i>Semester 8</i>
ECE 40000: Elec Eng Undergrad Sem		1	ECE Advanced EE Selective (w lab)	4
ECE Adv CmpE 43700 or 46800		4	ECE ECE Selective (w lab)	4
ECE 47700: Dig Systems Sr Project		4	GEE General Education Elective	3
Math 26500 Linear Algebra		3	Cmpl Ele Complementary Elective	3
Sci sel (Purdue has this in semester 2)		4		
TOTAL		16	TOTAL	14

*ENGL101 English Comp I and ENGL102 English Comp II can be substituted for ENGL112 at VU.

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

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COMPUTER ENGINEERING COURSE BY COURSE TRANSFER RELATIONSHIP:

Purdue University Courses		Vincennes University Courses		Notes
number and name	cr.	number and name	cr.	
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 Design(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 Eng.	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
P HYS 24100: Electricity and Optics	3	= PHYS 206: Physics for Science and Engineering II	4	PTD, CTL

Courses required for Purdue BSEE program

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