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.

MATH 118: Calculus/Analytic Geometry I 5 CHEM 105: General Chemistry I 3 PHYS 205: Physics for Sci/Engr. 1 Semester 3 MATH 119: Calculus/Analytic Geometry II Semester 3 MATH 119: Calculus/Analytic Geometry II Semester 4 MATH 120: Inter to Comp Tools Sci & Engr ENGR 131: Intro to Engineering Semester 3 MATH 220: Intermediate Calculus ENGR 2171: Linear Circuits I ENGR 2171: Linear Circuits I ENGR 2171: Linear Circuits I ENGR 2171: Linear Circuits I ENGR 266 - Intro Digital System Design ENGR 266 - Digital System Design HYS 206: Physics for Sci/Engr II Semester 5 ECE 26400 Advanced C Programming ECE 30100 Signals and Systems ECE 30100 Signals and Systems ECE 36400 Sirve Engl Undergrad Sem ECE 36400 Sirve Engl Undergrad Sem ECE 36400 Sirve Engl Undergrad Sem ECE 36400 Disc Math for Comp Eng GEE General Education Elective TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 Semester 8 ECE 36400 Disc Math for Comp Eng GEE General Education Elective Semester 7 ECE 40000: Elec Engl Undergrad Sem ECE 36000 Disc Math for Comp Eng GEE General Education Elective TOTAL 16 TOTAL 16 TOTAL 14 TOTAL 16 TOTAL 14 TOTAL 16 TOTAL 14 TOTAL 14		Semester 1		Semester 2		
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*ENGL101 English Comp I and ENGL102 English Comp II can be substituted for ENGL112 at VU.

School of Electrical and Computer Engineering Contact: Jeffery Gray, grayj@ecn.purdue.edu

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

COMPUTER ENGINEERING COURSE BY COURSE TRANSFER RELATIONSHIP:

Purdue University Courses		Vincennes University Courses						
number and name			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 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 +	5	=	MATH 118: Calculus / Analytic Geometry	5	PTD,			
Calculus I					CTL			
MA 16200: Plane Analytic Geometry +	5	=	MATH 119: Calculus / Analytical	5	PTD,			
Calculus II			Geometry II		CTL			
MA 26100: Multivariate Calculus	4	=	MATH 220: Intermediate Calculus	4	PTD			
MA 26200: Linear Algebra and	4	=	MATH 223: Differential Equations with	4	PTD			
Differential Equations			Linear Algebra					
PHYS 17200: Modern Mechanics	4	=	PHYS 205: Physics for Science and	5	PTD,			
			Engineering I		CTL			
P HYS 24100: Electricity and Optics	3	=	PHYS 206: Physics for Science and	4	PTD,			
			Engineering II		CTL			

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