Recommended Plan of Study
Environmental & Ecological Engineering, BSEEE 2+2 Dual-Enrollment Option

ENVIRONMENTAL & ECOLOGICAL 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 / Environmental Engineering AS degree at Vincennes and the Environmental and Ecological 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	CHEM 106: General Chemistry II	3
CHEM 105L: General Chemistry I Lab	2	CHEM 106L: General Chemistry II Lab	2
*ENGL 112: Rhetoric and Research	3	PHYS 205: Physics for Sci/Engr. I	5
CSCI 126: Intro to Comp Tools Sci & Engr	2	SPCH 143: Speech	3
ENGR 131: Intro to Engineering	2		
TOTAL	**17**	**TOTAL**	**18**

Semester 3		*Semester 4*	
MATH 220: Intermediate Calculus	4	MATH 223: Differential Eq/Linear Algebra	4
ENGR 205: Statics	3	ENGR 206: Dynamics	3
PHYS 206: Physics for Sci/Engr II	4	ENGR 235: Thermodynamics	3
CHEM 215: Organic Chemistry	3	Social Sci. Elective (ECON 201 recom.)	3
Social Science Elective	3	Humanities Elective	3
TOTAL	**17**	**TOTAL**	**16**

Purdue University – West Lafayette

Semester 5		*Semester 6*	
EEE 25000: EEE Systems	3	EEE 30000: Modeling	3
CE 34000: Hydraulics	3	CE 35500: Environ. Engr. Sustainability	3
CE 34300: Hydraulics Lab	1	EEE 39000: Professional Seminar	1
CE 35000: Intro to Env. Engr.	3	EEE 43000: LCA and Industrial Ecology	3
BIOL 121: Biology I	2	BIOL 28600: Ecology	2
General Education Elective	3	EEE Selective	3
TOTAL	**15**	**TOTAL**	**15**

Semester 7		*Semester 8*	
EEE 48000: Senior Design	1	EEE 48000: Senior Design	2
BIOL 58500: Ecology	4	EEE Selective	3
IE 23000: Statistics	3	EEE Selective	3
EEE Selective	3	EEE Selective	3
EEE Selective	3	General Education Elective	2
General Education Elective	3	Technical Elective	3
TOTAL	**17**	**TOTAL**	**17**

*****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.

Recommended Plan of Study

Environmental & Ecological Engineering, BSEEE 2+2 Dual-Enrollment Option

ENVIRONMENTAL & ECOLOGICAL ENGINEERING: COURSE TRANSFER RELATIONSHIP:

	Purdue University Courses			Vincennes University Courses		
	number and name	**cr.**		**number and name**	**cr.**	**notes**
Courses required for Purdue BSEEE program	CHM11500: General Chemistry, first semester	4	=	CHEM 105 and CHEM 105L: General Chemistry I, with lab	5	CTL
	CHM 11600: General Chemistry, second sem.	4	=	CHEM 106 and CHEM 106L: General Chemistry II, with lab	5	CTL
	CHM 25500: Organic Chemistry	3	=	CHEM 215: Organic Chemistry I	3	PTD
	CHM 22400: Introductory Quantitative Analysis	4	=	CHEM 204: Elementary Quantitative Analysis	4	PTD
	COM 11400: Fundamentals of Speech	3	=	SPCH 143: Speech	3	CHE
	ENGL 10600: First-Year Composition	4	=	ENGL 101 **and** 102: English Composition I + II	6	PTD
	ENGL 10800: Accelerated First-Year Comp	3	=	ENGL 112: Rhetoric and Research	3	PTD
	ENGR 13100: Ideas to Innovation I	2	=	ENGR 131: Intro to Engineering	2	PTD
	ENGR 13200: Ideas to Innovation II	2	=	CSCI 126: Intro to Comp Tools Sci & Engr	2	PTD
	MA 16100: Plane Analytic Geometry & Calculus I	5	=	MATH 118: Calculus & Analytic Geometry I	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
	ME 20000: Thermodynamics I	3	=	ENGR 235: Thermodynamics	3	PTD
	ME 27000: Basic Mechanics I	3	=	ENGR 205: Statics	3	PTD
	ME 27400: Basic Mechanics II	3	=	ENGR 206: Dynamics	3	PTD
	PHYS 17200: Modern Mechanics	4	=	PHYS 205: Physics for Sci/Engineering I	5	PTD, CTL
	STAT 3xxxx: Probability and Statistics	3		MATH 312: Probability and Statistics	3	PTD
Common BSEEE Electives	CHE 20500: Chemical Engineering Calculations	3	=	CHEM 208: Chemical Engineering Calculations	3	CHE
	ECE 20100: Linear Circuit Analysis I	3	=	ENGR 217: Linear Circuits I	3	PTD
	ECON 25100: Microeconomics	3	=	ECON 201: Microeconomics	3	PTD, CTL
	ECON 25200: Macroeconomics	3	=	ECON 202: Macroeconomics	3	PTD, CTL
	PHYS 24100: Electricity and Optics	3	=	PHYS 206: Physics for Science and Engineering II	4	PTD, CTL
	Technical Elective for BSEEE major (at least 5 credits required for BSEEE)		=	all courses in ENGR not listed above, also all courses 100+ level in AGRI, BIOL, CHEM, ERTH, PHYS		

PTD = Purdue Transfer Database; CTL = Indiana Core Transfer Library; CHE = Purdue/Vincennes Chemical Engineering Articulation Agreement. 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 BSEEE.

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