

Recommended Plan of Study

Civil Engineering, BSCE 2+2 Dual-Enrollment Option

CIVIL ENGINEERING SAMPLE EIGHT SEMESTER PLAN OF STUDY

The following Plan of Study shows one *potential* list of courses that satisfies all requirements for a student pursuing the Engineering Science / Civil Engineering AS degree at Vincennes and the Civil Engineering BSCE 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	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(may be taken in summer)	3	
	ENGR 131 Intro. To Engineering	2	ENGR 105 Engineering Graphics	2	
	TOTAL		TOTAL	20	
		17			
	Vincennes University	<i>Semester 3</i>		<i>Semester 4</i>	
MATH 220: Intermediate Calculus		4	MATH 223: Differential Eq/Linear Algebra	4	
ENGR 200 Engineering Surveys		3	ENGR 206: Dynamics	3	
ENGR 205: Statics		3	ENGR 235: Thermodynamics	3	
PHYS 206: Physics for Sci/Engr II		4	ENGR 270 Structural Mechanics	3	
Social Science Elective (ECON 201 recom.)		3	ENGR270L Structural mechanics Lab	1	
TOTAL			TOTAL	17	
		18			
Purdue University – West Lafayette		<i>Semester 5</i>		<i>Semester 6</i>	
		CE 23100 Engineering Materials I	3	CE 33100 Engineering Materials II	3
	CE 34000 Hydraulics	3	CE 39800 Intro. To Civil Engr. Sys. Design	3	
	CE34300 Elementary Hydraulics Lab	1	STAT 51100 Statistical Methods	3	
	MA 30300 Diff. Eqns/Part. Diff. for Eng./Sci.	3	Basic Science Requirement	3	
	Technical Elective	3	General Education Elective	3	
	General Education Elective	3	Technical Elective	3	
	CE 29201 (Contemporary Issues in Civil Engineering)	0	TOTAL	3	
	TOTAL	16		18	
	Purdue University – West Lafayette	<i>Semester 7</i>		<i>Semester 8</i>	
Technical Elective		15	CE 49800 Civil Engr. Design Project	3	
General Education Elective		3	General Education Elective	3	
TOTAL			Technical Electives	9	
		18	TOTAL	15	

School of Civil Engineering Contact:

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

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CIVIL ENGINEERING: COURSE BY COURSE TRANSFER RELATIONSHIP

Purdue University Courses		Vincennes University Courses		notes
number and name	cr.	number and name	cr.	
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
COM 11400: Fundamentals of Speech	3	=	SPCH 143: Speech	3
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
CGT 164: Computer Graphics for Civil Engineering and Construction	2	=	ENGR 105: Engineering Graphics	2
ENGR 13100: Ideas to Innovation I	2	=	ENGR 131 Introduction to Engineering	2 PDT
ENGR 13200: Ideas to Innovation II	2	=	CSCI 126: Introduction to Computer Tools for Science and Engineering	2 PTD
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 26500: Linear Algebra	3	=	MATH 223: Differential Equations with Linear Algebra	4 PTD
ME 20000: Thermodynamics I	3	=	ENGR 235: Thermodynamics	3 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
CE 20300 Principles and Practices of Geomatics	4	=	ENGR 200 Engineering Surveys	3
CE 27000 Introductory Structural Mechanics	4	=	ENGR 270 and 270 L Structural Mechanics & Lab	4
CE 29700 Basic Mechanics I :Statics	3	=	ENGR 205: Statics	3 PTD
CE 29800 Basic Mechanics II :Dynamics	3	=	ENGR 206: Dynamics	3 PDT
ECON 25100: Microeconomics	3	=	ECON 201: Microeconomics	3 PTD, CTL
ECON 25200: Macroeconomics	3	=	ECON 202: Macroeconomics	3 PTD, CTL
Technical Elective for BSCEE major (at least 30 ? credits required for BSCE)		=		

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 BSCE.

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