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

CHEMICAL 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 Chemical Engineering AS degree at Vincennes and the Chemical 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 Lab II	2
*ENGL 112: Rhetoric and Research	3	PHYS 205: Physics for Sci/Engr. I	5
ENGR 131: Intro to Engineering	2	COMM 143: Speech	3
CSCI 126: Intro to Comp Tools Sci Engr	2		
TOTAL	**17**	**TOTAL**	**18**
Semester 3		*Semester 4*	
MATH 220: Intermediate Calculus	4	MATH 223: Differential Eq./Linear Algebra	4
CHEM 215: Organic Chemistry	3	CHEM 216: Organic Chemistry II	3
CHEM 215: Organic Chemistry I Laboratory	2	CHEM 216: Organic Chemistry II Laboratory	2
CHEM 208: Chemical Engr Calculations	4	BIOL Elective	3
PHYS 206: Physics for Sci/Engr II	4	ENGR 235: Thermodynamics	3
Social Sci. Elective (ECON 201 recom.)	3	Humanities Elective	3
TOTAL	**19**	**TOTAL**	**18**

Purdue University – West Lafayette

Semester 5		*Semester 6*	
CHE 20000 Chem Engr Seminar	0	CHE 37800 Heat & Mass Transfer	4
CHE 30600 Staged Separations	3	CHE 32000 Statistical Modeling	3
CHE 37700 Momentum Transfer	4	CHE 34800 Chem Reaction Engr	4
CHM 37000 Physical Chemistry	3	CHE 30000 Chem Engr Seminar	0
ENGR Elective	3	Gen. Ed. El.	3
Math Selective	3	Tech Elective (TE-1)	3
TOTAL	**16**	**TOTAL**	**17**
Semester 7		*Semester 8*	
CHE 40000 Chem Engr Seminar	0	CHE 45000 Design Process Sys	4
CHE 45600 Process Dyn & Control	4	CHE Elective	3
CHE 43500 Chem Engr Lab	4	ENGR Elective	3
CHE 42000 Process Safety Mgmt	3	Gen. Ed. El.	3
Gen. Ed. El.	3	Gen. Ed. El.	3
TOTAL	**14**	**TOTAL**	**16**

*****ENGL 101 English Comp I and ENGL 102 English Comp II can be substituted for ENGL112

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

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

CHEMICAL ENGINEERING: COURSE TRANSFER RELATIONSHIP:

Courses required for Purdue BSME program

Purdue University Courses			Vincennes University Courses		
number and name	**cr.**		**number and name**	**cr.**	**notes**
MA 165: Analytic Geometry + Calculus I	4	=	MATH 118: Analytic Geometry & Calculus 1	5	PTD, CTL
MA: 166: Analytic Geometry + Calculus II	4	=	MATH 119: Analytic Geometry & Calculus II	5	PTD, CTL
MA: 261 Multivariate Calculus.	4	=	MATH 220: Intermediate Calculus	4	PTD
MA: 262 Linear Algebra Differential Equations	4	=	MATH 223: Linear Algebra Differential Equations	4	PTD
CHM 115: General Chemistry I	4	=	CHEM 105: General Chemistry I	3	CTL
			CHEM 105: General Chemistry Laboratory I	2	CTL
CHM 116: General Chemistry II	4	=	CHEM 106: General Chemistry II	3	
			CHEM 106: General Chemistry Laboratory II	2	
CHM 261: Organic Chemistry I	3	=	CHEM 215: Organic Chemistry I	3	
CHM 263: Organic Chemistry I Laboratory	1	=	CHEM 215: Organic Chemistry I Laboratory	2	
CHM 262: Organic Chemistry II	3	=	CHEM 216: Organic Chemistry II	3	
CHM 264: Organic Chemistry II Laboratory	1	=	CHEM 216: Organic Chemistry II Laboratory	2	
ENGR 131: Ideas to Innovations I	3	=	ENGR 131: Intro to Engineering	3	PTD
ENGR 132: Ideas to Innovations II	3	=	CSCI 126: Intro Comp Tools – Sci - Engr	3	PTD
CHE 205: Chemical Engr Calculations	4	=	CHEM 208: Chemical Engr Calculations	4	
PHYS 172: Mechanics	4	=	PHYS 205: Physcis Scientists & Engineering I	5	
PHYS 241: Electricity & Optics	3	=	PHYS 206: Physics Scientists & Engineering II	4	
ENGL 108: English Composition ***OR***: ENGL 106: English Composition	3 4	=	ENGL 112: Rhetoric and Research ***OR*** ENGL 101: English Composition I ENGL 102: English Composition II	3 3 3	PTD
COM 114: Fund. Speech Communication	3	=	SPCH 143: Speech	3	PTD, CTL
ECON 251: Microeconomics	3	=	ECON 201: Microeconomics	3	PTD, CTL
ECON 252: Macroeconomics	3	=	ECON 202: Macroeconomics	3	PTD, CTL
PHIL 111: Ethics	3	=	PHIL 212: Ethics	3	

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

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