

Valparaiso University
Secondary Education
SAMPLE Four-Year Plan of Study
With content major in Chemistry

(Revised 9/27/11)

Freshman Fall	CR	Freshman Spring	CR
CORE 110: The Human Experience COMM 243: Public Communication Math 131: Analytic Geometry and Calculus PE 100: Healthy Lifestyles CHEMISTRY (121 or 131) General Chem. I CHEMISTRY 493: Seminar in Chemistry	5 3 4 1 3 1 <hr/> 17	CORE 115 : The Human Experience PSY 110/111: General Psychology & Laboratory ED 203 : Intro to Teaching & Field Experience CHEMISTRY (122 or 132) General Chem. II CHEMISTRY 190: Introduction to Chemical Research CHEMISTRY 493: Seminar in Chemistry	5 4 3 4 1 1 <hr/> 18
Sophomore Fall	CR	Sophomore Spring	CR
ED BLOCK 1: <i>Integrated Field Experience</i> <ul style="list-style-type: none"> ▪ ED 304: Educational Psychology ▪ ED 306: School & Society ▪ ED 350: Seminar THEO 200: The Christian Tradition CHEMISTRY 221: Organic Chem. I CHEMISTRY 493: Seminar in Chemistry CHEMISTRY 495: Special Problems in Chem.	3 3 0 3 3 4 2 <hr/> 18	ED BLOCK 2: <i>Integrated Field Experience</i> <ul style="list-style-type: none"> ▪ ED 308: Technology as Pedagogy ▪ ED 351: Seminar ▪ ED 357: Curr. & Assessment ▪ ED 489: Secondary Instruction in Content Areas CHEMISTRY 222: Organic Chemistry II CHEMISTRY 230: Quantitative Analysis CHEMISTRY 493: Seminar in Chemistry	2 0 3 3 4 4 0 <hr/> 16
Junior Fall	CR	Junior Spring	CR
SOCIAL SCIENCE (Elective) PHYS 111: Essentials of Physics PHYS 111L: Essentials of Physics Laboratory CHEM 311: Elementary Physical Chemistry CHEM 493: Seminar in Chemistry NS 290: Investigation of Contemporary Issues in Science	3 3 1 4 1 3 <hr/> 16	THEOLOGY (Upper Level Elective) PHYSICS 112: Essentials of Physics PHYSICS 112 L: Essentials of Physics Laboratory CHEMISTRY 490: The Scientific Endeavor CHEMISTRY 493: Seminar in Chemistry HUMANITIES (Elective) SOCIAL SCIENCE (Elective)	3 3 1 3 1 3 3 <hr/> 17
Senior Fall	CR	Senior Spring	CR
ED BLOCK 3: <i>Integrated Field Experience</i> <ul style="list-style-type: none"> ▪ ED 450: Seminar: Equity in Education ▪ ED 460: Literacy in Content Areas ▪ ED 470: Home, School, Community ▪ SPED 440: Lrng. Exceptionalities CHEM 315: Biochem 1 CHEM 421: Advanced & Organic Chemistry CHEM 493: Seminar in Chemistry	0 3 3 3 3 3 1 <hr/> 13	ED BLOCK 4: <i>Student Teaching</i> <ul style="list-style-type: none"> ▪ ED 459: Supervised Student Teaching ▪ ED 451: Seminar: Professional Practice ▪ ED 452: Seminar: Educational Research 	12 1 1 <hr/> 14

* sub CHEM 321 for CHEM 315 then CHEM 322 for CHEM 316 & 317 then CHEM 315 for CHEM 311 or 321

NOTE: This path requires 2 semesters of Calculus.