Chemistry | Bachelor of Science in Chemistry | TYPICAL 4 YEAR PROGRAM OF STUDY | 2014-201

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: minimum of 180 credits **Credits in major:** 96-100 **GPA cumulative minimum**: 2.0 **GPA major minimum :** 2.0 **Prerequisite Courses:** Students must receive a grade of C- or better.	• This plan of study assumes that you have qualified by an SAT score, ACT score, or a passed math placement to take MATH 1322 and MATH 1334. If the qualification for MATH 1334 is not met, then you will need to begin with MATH 1321. • *CHEM Electives = 4700/4701 – Advanced Inorganic Chemistry/Lab, 4800 – Advanced Organic Chemistry, 4802 – Physical Organic Chemistry, 4804 – Environmental Organic Chemistry, 4500/4511 – Biochemistry: Protein & Lipid Structure & Function/Lab, 4510/4511 – Biochemistry: Mechanisms of Nucleic A Chemistry/Lab, 4520 – Biochemistry: Metabolism, and 4990 – Undergraduate Research. **For complete information on courses and/or prerequisites, please use this guide sheet in conjunction with the Academic Catalog onli http://catalog.seattleu.edu**

This example assumes you have completed no degree requirements. Your personal program may vary from this due to prior educational experience or individual goals.

	FALL		WINTER		SPRING	
	COURSE	CREDITS	COURSE	CREDITS	COURSE	CRI
FRESHMAN	MATH 1334 – Calculus I	5	MATH 1335 – Calculus II	5	MATH 1336 – Calculus III	
	CHEM 1500/1501 – General Chem I	5	CHEM 1510/1511 – General Chem II	5	CHEM 1520/1521 – General Chem III	
	UCOR 1XXX University Core	5	UCOR 1XXX University Core	5	PHYS 1210 – Mechanics	
SOPHOMORE	CHEM 2500/2501 – Org Chem: Structure & Reac	6	CHEM 2510/2511 – Org Chem: Functional Group Inter	6	CHEM 2520/2521 – Org Chem: Reactions of Pi-Syst	
	PHYS 1220 – Electricity & Magnetism	5	PHYS 1230 – Waves & Optics	5	MATH 2330 – Multivariable Calculus	
	UCOR 1XXX University Core	5	UCOR 1XXX University Core	5	UCOR 2XXX University Core	
					General Elective	
JUNIOR	CHEM 3000 – Quantitative Analysis	5	CHEM 2100 – Fundamental Inorganic Chem	3	CHEM 3520/3521 – Phys Chem: Photochemistry, M	
	CHEM 3500 – Phys Chem: Quantum Theory, Spe	3	CHEM 3510/3511 – Phys Chem: Thermodynamics & K	5	UCOR 3XXX University Core	
	CHEM 4985 – Senior Synthesis Seminar I	1	CHEM 4990 – Undergraduate Research	1-3	General Elective	
	UCOR 2XXX University Core	5	UCOR 2XXX University Core	5		
SENIOR	CHEM Elective – 4000 level*	5	UCOR 3XXX University Core	5	CHEM 4000 – Instrumental Analysis	
	UCOR 3XXX University Core	5	General Elective	10	CHEM 4995 – Senior Synthesis Seminar II	
	General Elective	4			General Elective	
	*CHEM 4500 is required for ACS certified degree.					

CORE MODULE I REQUIREMENTS	CORE MODULE II REQUIREMENTS	CORE MODULE III REQUIREMENTS
UCOR 1100 Academic Writing Seminar	UCOR 2100 Theological Explorations	UCOR 3100 Religion in a Global Context
UCOR 1200 Quantitative Reasoning-**satisfied in major**	UCOR 2500 Philosophy of the Human Person	UCOR 3400-3440 Humanities Global Challenge
UCOR 1300 Creative Expression and Interpretation	UCOR 2900-2940 Ethical Reasoning	UCOR 3600-3640 Social Sciences Global Challenge
UCOR 1400-1440 Inquiry Seminar in the Humanities		
UCOR 1600-1640 Inquiry Seminar in the Social Sciences		
UCOR 1800-1840 Inq Sem in the Natural Sciences-**satisfied in major**		

COLLEGE OF SCIENCE & ENGINEERING
Advising Center, ENGR 300

Work closely with your academic advisor to plan your program of st and the other co-curricular components of your educational p