Biochemistry | Bachelor of Science in Biochemistry | TYPICAL JUNIOR TRANSFER PROGRAM OF STUDY | 2014-201

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: minimum of 180 credits **Credits in major:** 113 **GPA cumulative minimum:** 2.0 **GPA major minimum:** 2.0 **Prerequisite Courses:** Students must receive a grade of C- or better. All students earning a B.S. in Biochemistry complete the American Chemical Society certified degree.	• Please Note: In order to complete a Biochemistry degree in two years, at least three of the following four year-long sequences need to be completed prior to transfer: Organic Chemistry, Calculus, Physics, and Biology in addition to General Chemistry. • BIOL Electives = 1630/1631 – Biology III, 2700 – Genetics, 3100 – Microbiology, 4700 – Molecular Genetics, and 4750/4751 – Cell Biology. • CHEM Electives = 3520/3521 – Physical Chemistry: Photochemistry-Mixtures-& Statistical Thermodynamics/Lab, 4700/4701 – Advanced Inorganic Chemistry/Lab, and 4000 – Instrumental Analysis. **For complete information on courses and/or prerequisites, please use this guide sheet in conjunction with the Academic Catalog online: http://catalog.seattleu.edu**

The example below assumes that you enter Seattle University with junior standing (90 credits), have earned a transferable associate's degree, and have successfully completed a full year of General Chemistry Organic Chemistry, Calculus and one quarter of General Biology equivalent to BIOL 161/171.

Please Note: If you have already taken a full year of Organic Chemistry, then your Junior year will be devoted to completing Math and Physics requirements and you will need to enroll in CHEM 319 and CHEM for Fall quarter. Physical Chemistry will replace Organic Chemistry in the Winter and Spring quarters.

Students with AST may have additional core requirements depending on community college coursework.

Your personal program of study may vary from this example due to prior educational experience or individual goals.

	FALL		WINTER		SPRING	
	COURSE	CREDITS	COURSE	CREDITS	COURSE	CRE
JUNIOR	CHEM 3000 – Quantitative Analysis	5	CHEM 2100 – Fundamental Inorg Chem	3	PHYS 1210 – Mechanics	4
JUNIOR	CHEM 4985 – Senior Synthesis Seminar I	1	BIOL Elective	5	BIOL Elective	5
JUNIOR	UCOR 2XXX University Core	5	UCOR 2XXX University Core	5	UCOR 2XXX University Core	5
JUNIOR	General Elective	4	General Elective	3		
SENIOR	CHEM 4500/4501 – Biochem: Protein & Lipid Str	5	CHEM 3510/3511 – Phys Chem: Thermodynamics & K	5	CHEM 4520 – Biochem: Metabolism	3
SENIOR	CHEM 4990 – Undergraduate Research	1-3	CHEM 4510/4511 – Biochem: Mechanisms of Nucleic	5	CHEM 4995 – Senior Synthesis Seminar II	1
SENIOR	PHYS 1220 – Electricity & Magnetism	5	PHYS 1230 – Waves & Optics	5	CHEM Elective	5
SENIOR	General Elective	5			UCOR 36XX University Core	5

CORE MODULE II REQUIREMENTS	CORE MODULE III REQUIREMENTS	NOTES
UCOR 2100 Theological Explorations	UCOR 3600-3640 Social Sciences Global Challenge	
UCOR 2500 Philosophy of the Human Person		
UCOR 2900-2940 Ethical Reasoning		

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 pl