Biology	Bachelor of Science in Cell and Molecular Biology	2 YEAR TYPICAL PROGRAM OF STUDY	2013-2014

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: minimum of 180 credits **Credits in major:** 113 **GPA cumulative minimum**: 2.0 **GPA major minimum:** 2.0	• Grades of at least C- are required in prerequisite science courses. • Some courses may be offered in additional quarters; refer to current schedules. • Prerequisites for enrollment in BIOL 285+286 are: BIOL 161+171, 162+172, 163+173; CHEM 123+133; & BIOL 240, all with a C+ or better; and a minimum biology major GPA of 2.8; or permission of instructor. • A science elective course must be a majors course for that department and may be a biology course. • BIOL electives must include: • 1) Choose one: BIOL 305 - Molecular Biology Projects Lab, BIOL 306 - Protein Project Laboratory, or BIOL 318 - Genomics • 2) Choose one: BIOL 415 - Fundamentals of Immunology, BIOL 422 - Medical Microbiology, or BIOL 440 - Molecular Genetics **For complete information on courses, prerequisites, etc, use this information in conjunction with the online Catalog (http://catalog.seattleu.edu/) for the current year.**

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 the following: one year of general biology with laboratories, one year of general chemistry with laboratories, twelve quarter credits of organic chemistry with laboratories, and at least one quarter of calculus.
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	CREDITS
JUNIOR	BIOL 240 Genetics	5	BIOL elective	5	BIOL 285+286 Biotechnology + Lab	4+2
	PHYS 105 Mechanics	5	PHYS 106 Waves, Sound, Electricity, and Magnetism	5	PHYS 107 Thermo, Optics and Modern Physics	5
	UCOR 2XXX	5	UCOR 2XXX	5	UCOR 2XXX	5
SENIOR	BIOL 487 Biology Senior Synthesis Indep. Exp.	2	BIOL elective	5	BIOL 488 Biology Senior Synthesis Seminar	1
	BIOL elective	5	Science elective	5	BIOL 455+456 Cell Biology + Lab	4+2
	MATH 141 Statistics for Life Sciences	5	UCOR 36XX	5	BIOL elective	5
	CHEM 454 Biochemistry I	3			*General elective*	2

CORE MODULE II REQUIREMENTS		CORE MODULE III REQUIREMENTS		SCHOOL/COLLEGE CORE REQUIREMENTS
UCOR 2100	Theological Explorations	UCOR 3600-3640	Social Sciences Global Challenge	*No additional requirements*
UCOR 2500	Philosophy of the Human Person			
UCOR 2900-2940	Ethical Reasoning			

COLLEGE OF SCIENCE & ENGINEERING

Biology Department
Bannan 150

Work closely with your academic advisor to plan your program of study and other co-curricular components of your educational plan.