

BS in General Science, Preprofessional Specialization (including Pre-Med) Typical Program of Study¹ – 4 year

	Fall Quarter	Winter Quarter	Spring Quarter
Freshman	CHEM 121 - General Chemistry I (4) CHEM 131 – General Chemistry Lab I (1)	CHEM 122 -General Chemistry II (4) CHEM 132 -General Chemistry Lab II (1)	CHEM 123 -General Chemistry III (4) CHEM 133 -General Chemistry Lab III (1)
	MATH 120 -Precalculus Algebra (5)	MATH 131 -Calculus for Life Sciences (5) ² MATH 121 -Precalculus: Trigonometry (2) ³	Core (5)
	Core (5) ⁴	Core (5)	Core (5)
Sophomore	CHEM 335 -Organic Chemistry I (3) CHEM 345 -Organic Chemistry Lab I (2)	CHEM 336 -Organic Chemistry II (3) CHEM 346 -Organic Chemistry Lab II (2)	CHEM 337 -Organic Chemistry III (4) CHEM 347 -Organic Chemistry Lab III (2)
	BIOL 161 -Biology I: Molecular and Cellular (4) BIOL 171 -Biology I Lab (1)	BIOL 162 -Biology II: Evolution and Ecology (4) BIOL 172 -Biology II Lab (1)	BIOL 163 -Biology III: Physiology and Development (4) BIOL 173 -Biology Lab III (1)
	Core (5)	Core (5)	Core (5)
Junior	PHYS 105 -Mechanics (5)	PHYS 106 -Waves, Sound, Electricity and Magnetism (5)	PHYS 107 -Thermodynamics, Optics and Modern Physics (5)
	Upper Div BIOL (5) ⁵	Upper Div BIOL (5)	Upper Div BIOL (5)
	Core (5)	Core (5)	Core (5)
Senior	CSSE elective (5) ⁶	Electives (10)	Electives (11)
	Core (5)	Core (5)	ISSC 490 -Senior Synthesis Seminar (1)
	CHEM 454 -Biochemistry I (3) ⁷	ISSC 489 -Senior Synthesis (2)	

¹ In order to earn a Bachelor of Science in General Science with the preprofessional specialization (GNSC.PPRO), a student must complete 180 credits with a cumulative GPA of 2.0 and a major GPA of 2.0. All 100- and 200-level courses required for the GNSC degree must be graded C- or better. A student's actual plan of study may vary from this example due to prior educational experience or preferences with respect to ordering the 100-level science sequences (for example, the physics series may be taken in any of the four years, but is most often taken in the sophomore or junior years). This plan of study is representative, but not the only possible sequence of courses leading to the GNSC.PPRO degree. This plan of study assumes that a student enters Seattle University with placement into MATH 120 (pre-calculus).

² Other math sequences are possible, such as MATH 134 & 135. See the Undergraduate *Bulletin* for details.

³ A student may waive trigonometry through sufficient achievement on the trig placement test.

⁴ Core courses required for the degree:

Phase I Core (freshman/sophomore)	Phase II Core (sophomore/junior)	Phase III Core (junior/senior)
ENGL 110 -College Writing	PHIL 220 -Philosophy of the Human Person (PHIL 210 for some transfer students)	THRS 300-level (Theology and Religious Studies)
ENGL 120 -Introduction to Literature	Social Science 100-level	Ethics
HIST 120 -Origins of Western Civilization <i>OR</i> HIST 121 -Studies of Modern Civilization	Social Science 200-level	Interdisciplinary Science
PHIL 110 -Introduction to Philosophy	THRS 200-level (Theology and Religious Studies)	
FINR 120 (or other core Fine Arts option)		

⁵ Choose three of these six courses: BIOL 240 (fall or winter), BIOL 300 (fall), BIOL 310 (spring), BIOL 325 (winter), BIOL 485 (fall, winter, or spring). One or more of these courses may also be taken in the senior year.

⁶ Five credits of any computer science course(s).

⁷ Biochemistry is not required for the degree, however many students preparing for medical school take this course to fulfill an admission requirement.