

Bachelor of Science in Biochemistry

Typical Program of Study – 2 Year

In order to earn the Bachelor of Science in Biochemistry degree, students must complete a minimum of 180 credits with a cumulative and a major GPA of 2.0 in the University core curriculum and major requirements. In addition, biochemistry students must receive a C- or better in all prerequisite courses.

A student's actual plan of study may vary from this example due to prior educational experience or individual goals. This plan of study assumes that the student is transferring to Seattle University with a transferable associate's degree and a full year of general and organic chemistry and will have also completed a full year of calculus and one quarter of general biology equivalent to Biol 161/162. Unless at least three of the following four year-long sequences 1) Organic Chemistry, 2) Calculus, 3) Physics and 4) Biology are completed prior to transfer, it is difficult to finish a biochemistry degree in two years..

Junior year	FALL	WINTER	SPRING
	Senior Synthesis I (1 Credit) Chem 488 Quantitative Analysis (5 credits) Chem 319	Physics 121 (5 credits)	Physics 122 (5 credits)
	Multivariable Calculus (3 credits) Math 232	Biology 5 credits Choose from Biol 162/172 or 163/173 Biol 240 or Biol 300 or Biol 440 or Biol 485	Inorganic Chemistry (3-5 credits) Chem 215/ Chem 425
	Core Curriculum requirements	Core Curriculum requirements	Core Curriculum requirements
Senior year	FALL	WINTER	SPRING
	Physics 123 (5 credits)	Physical Chemistry (5 credits) Chem 361/Chem 371	Physical Chemistry (5 credits) Chem 363/ Chem 372 or Instrumental Analysis (5 credits) Chem 426
	Biochemistry I (5 credits) Chem 454/Chem 464	Biochemistry II (3 credits) Chem 455/Chem 465	Biochemistry III (3 credits) Chem 456
	Undergraduate Research Chem 499 (1-3 credits taken in junior or senior year)	Biology 5 credits Choose from Biol 162/172 or 163/173 Biol 240 or Biol 300 or Biol 440 or Biol 485	Senior Synthesis II (1 credit) Chem 489
	Core Curriculum requirements	Core Curriculum requirements	Core Curriculum requirements

Core requirements specific to the major: Chem 488/ Chem 489 and Chem 499

For 10 Biology credits beyond general biology (Bio161/171) choose from this list: Biol 162/172 (5 credits or Biol 163/173 (5 credits) or Biol 240 (5 credits) or Biol 300 (5 credits or Biol 440 (5 credits) or Biol 485 (5 credits)