

Model Curriculum for a Biochemistry Major (B.S.)

I. Major requirements:

A. Chemistry:	27 credits
B. Biology	15 credits
C. Biochemistry	12 credits
D. Approved Electives in Biology and Chemistry	6-8 credits
E. Mathematics and Physics	16 credits
F. Individual lab research (recommended)	1-4 credits

If the student completes a 3-credit recommended independent research project (F) and 7 credits under D., then the total comes to 80.

If the student does not complete the research project, he or she could substitute one of the experiential courses and still remain within the 80 credits.

II. Secondary Concentration

Since Biochemistry majors are already required to take 16 credits in Mathematics and Physics and a number of approved electives, the requirements for a secondary (interdisciplinary) concentration are largely met.

III. Remaining General Studies Requirements

A. Writing and Technology	6 credits
B. Arts & Humanities intersecting with Interpretive & Aesthetic Analysis and Ethical Inquiry	9 credits
C. Language & Culture intersecting with Cross-Cultural Inquiry	3-8 credits
D. Social and Behavioral Sciences intersecting with Historical Inquiry, Science, Technology, & Society, and perhaps one Quantitative, Deductive, and Inductive Reasoning course	9 credits

Because of the fluctuations in the Language & Culture part of the requirements, the total here will amount to between 27 and 32 credits. If one assumes that the Quantitative, Deductive & Inductive Reasoning component will have been met by courses in the major or secondary concentration, then all requirements will have been completed within the 80 major/secondary concentration credits + 27-32 general studies credits. That doesn't leave room for many electives (8 to 13 credits), but that can't be expected with an 80-credit major. The only additional credit requirement over the present GFRs is the 3-credit additional writing and technology course.