

Biochemistry Field Major

The departments of biological sciences and chemistry participate jointly in this program. Students selecting this major should seek the advice of one of the departmental chairpersons as early as possible.

Program Requirements

A minimum total of 120 credit hours is required for the field major in biochemistry. In addition to meeting the requirements of the WSU General Education Program (<http://catalog.wichita.edu/undergraduate/general-education-program/>) and the requirements of Fairmount College of Liberal Arts and Sciences, students in the field major in biochemistry must take the following courses:

Course	Title	Hours
CHEM 211	General Chemistry I	5
CHEM 212	General Chemistry II	5
CHEM 523	Analytical Chemistry	4
CHEM 531	Organic Chemistry I	5
CHEM 532	Organic Chemistry II	5
CHEM 662	Biochemistry I	3
CHEM 663	Biochemistry II	3
CHEM 664	Biochemistry Laboratory	3
CHEM 666	Special Topics in Biochemistry	3
or BIOL 666	Special Topics in Biochemistry	
CHEM 669	Research In Biochemistry	2
or BIOL 669	Research In Biochemistry	
BIOL 210	General Biology I	4
BIOL 211	General Biology II	4
BIOL 419	Genetics	4
BIOL 420	Molecular Cell Biology	4
Select 21 credit hours of biochemistry electives chosen in consultation with a biochemistry academic advisor		21
Total Credit Hours		75

Course	Title	Hours
<i>Additional science requirements for the Biochemistry field major</i>		
Select either Option A or Option B below		5-6
Option A (6 credit hours)		
MATH 111	College Algebra	
MATH 123	College Trigonometry	
Option B (5 credit hours)		
MATH 112	Precalculus Mathematics	
PHYS 213	General College Physics I	5
PHYS 214	General College Physics II	5
Total Credit Hours		15-16

Applied Learning

Students in the biochemistry field major program are required to complete an applied learning or research experience to graduate from the program. The requirement can be met by BIOL 669 or CHEM 669 (2 credit hours minimum).