Biochemistry

Program Type

Major

Required Chemistry Courses

Course Code	Title	Hours
CHM 303	Organic Chemistry I	4
CHM 304	Organic Chemistry II	4
CHM 415	Analytical Chemistry	4
CHM 452	Biochemistry	3
CHM 453	Advanced Biochemistry	3
CHM 454	Laboratory Techniques in Biochemistry	1
CHM 470	Junior Seminar	1
CHM 475	Junior Research	1
	CHM 501 or 502 and 503	3-4
CHM 570	Senior Seminar	1
	Sub-Total Credits	24

Required Biology Courses

Students must take at least two of the following courses:

Course Code	Title	Hours
BIO 302	Developmental Biology	4
BIO 306	Plant Physiology	3
BIO 309	Genetics	4
BIO 320	Advanced Cell Biology	4
BIO 360	Microbiology	4
BIO 430	Molecular Biology	4
	Sub-Total Credits	8

Required Cognates

Course Code	Title	Hours
BIO 200	Cellular and Molecular Biology	4
MTH 220	Calculus II	4
	PHY 101-102 or 201-202	8
	Sub-Total Credits	16

Total Credits: 32 + Cognates

Hillsdale College Catalog

$ACS\text{-}Certified\ Biochemistry\ Degree\ Requirements\ (Optional)$

Requirements for an ACS-certified biochemistry degree include all of the above with the addition of:

Course Code	Title	Hours
CHM 406	Advanced Inorganic Chemistry	3
	CHM 403, 419, 503, 504, or 522	3-4
CHM 575	Senior Thesis	1
	Sub-Total Credits	7-8

A senior year comprehensive examination is also required.