



## Geneva College Four-Year Plan

## Degree: Chemistry – Biochemistry

*These plans are meant to be used as guides for planning purposes only. The Geneva College Catalog lists official requirements students must satisfy before receiving a degree. Your academic advisor will help you create a plan that matches your academic history and goals.*

YEAR 1					
FALL			SPRING		
		Credits			Credits
CHM 111	General Chemistry	4	CHM 221	Organic Chemistry I	4
MAT 161	Calculus I	4	MAT 162	Calculus II	4
BIB 112	Old Testament	3	BIO 112	Introduction to Cellular Biology	4
ENG 101	English Composition	3	BIB 113	New Testament	3
SSC 101	Learning & Transition	1	HUM 103	Invitation to the Humanities	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>18</b>

YEAR 2					
FALL			SPRING		
		Credits			Credits
CHM 222	Organic Chemistry II	4	CHM 232	Quant. Analytical Chemistry	4
PHY 201	College Physics I	4	PHY 202	College Physics II	4
BIO 319	Genetics	4	HUM 303	Perspectives, Faith, Culture	3
HUM 203	Making the West	3	PED 103	Physical Education	1
			COM 101	Principles of Communication	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

YEAR 3					
FALL			SPRING		
		Credits			Credits
CHM 307	Physical Chemistry I	3	CHM 308	Physical Chemistry II*	3
CHM 304	Inorganic Chemistry	3	CHM 305* or CHM 306*		3
CHM 317	Biochemistry I	3	CHM 310* or CHM 311*		2
CHM 421	Chemistry Seminar	1	CHM 412* or CHM 318*		3
CHM 312	Adv. Lab – Physical	2	Society – Group A		3
Elective+		3	BIO 405	Molecular Biology	4
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>18</b>

YEAR 4					
FALL			SPRING		
		Credits			Credits
CHM 420	Research	2	CHM 308	Physical Chemistry II	3
POL 352	Great Issues	3	CHM 305* or CHM 306*		3
BIB 300	Biblical Worldview	3	CHM 310* or CHM 311*		2
Elective+		3	CHM 412* or CHM 318*		3
Elective+		3	CHM 421	Chemistry Seminar	1
Elective+		3	CHM 313	Biochemistry Laboratory	1
			Society – Group C		3
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>16</b>

A passing grade on a chemistry comprehensive exam is required.

Core

+ Electives MUST include at least one of the following: BIO 315, BIO 421, BIO 422, CHM 305, CHM 308, CHM 310, CHM 311, CHM 412, CHM 421

**There is considerable flexibility in choice of electives and sequencing of upper-level courses.**

(Spring 2022)