

University of La Verne  
 Department of Chemistry  
 Academic Plans

First year

*Fall Semester*

Course	Title	Units	Prereq
CHEM 201	General Chemistry I	5	CHEM 103/ MATH 102
CHEM 201L	General Chemistry I Laboratory	0	
BIOL 201	General Biology I	4	
BIOL 201L	General Biology I Lab	0	
WRT110	Writing A	4	
MATH (*)		4	

(\*) Could be MATH 102, 104, 105, or 201

*Spring Semester*

Course	Title	Units	Prereq
CHEM 202	General Chemistry I	5	CHEM 201
CHEM 202L	General Chemistry I Laboratory	0	
BIOL 202	General Biology I	4	
BIOL 202L	General Biology I Lab	0	
WRT111	Writing A	4	
MATH (*)		4	

(\*) Could be MATH 201 or 202

## Second year

### *Fall Semester*

Course	Title	Units	Prereq
CHEM 311	Organic Chemistry I	5	CHEM 201
CHEM 311L	Organic Chemistry I Laboratory	0	
PHYS 201/204	General Physics I	5	MATH 102, 105, or 201
PHYS 201L	General Physics I Lab	0	
MATH (*)		4	
GE		3	

(\*) MATH 202 if needed

### *Spring Semester*

Course	Title	Units	Prereq
CHEM 312	Organic Chemistry II	5	CHEM 312
CHEM 312L	Organic Chemistry II Laboratory	0	
PHYS 202/205	General Physics II	5	PHYS 201/204
PHYS 201L	General Physics II Lab	0	
GE		3	
GE		3	

For Students Following BS degree and starting on an odd year (2015, 2017, 2019, etc)

**Third Year (Odd year)**

*Fall Semester*

Course	Title	Units	Prereq
CHEM 230	Analytical Chemistry	4	CHEM 202
CHEM 230L	Analytical Chemistry Lab	0	
CHEM 440	Inorganic Chemistry	4	CHEM 202
CHEM 370	Chemistry Seminar	1	
GE		3	
GE		3	
GE		3	

*Spring Semester*

Course	Title	Units	Prereq
CHEM 430	Instrumental Analysis	4	CHEM 230
CHEM 430L	Instrumental Analysis Lab	0	
CHEM ***	Elective	4	
CHEM 370	Chemistry Seminar	1	
GE		3	
GE		3	
GE		3	

**Fourth Year**

*Fall Semester*

Course	Title	Units	Prereq
CHEM 411	Physical Chemistry I	4	CHEM 202/MATH 202/PHYS 202
CHEM ***	Elective	4	
CHEM 370	Chemistry Seminar	1	
GE		3	
GE		3	
GE		3	

*Spring Semester*

Course	Title	Units	Prereq
CHEM 412	Physical Chemistry II	4	CHEM 411
CHEM 412L	Physical Chemistry Lab	0	
CHEM 499	Senior Project	4	
CHEM 370	Chemistry Seminar	1	
GE		3	
GE		3	

Electives:

Course	Title	Units	Prereq
CHEM 441	Materials Chemistry	4	CHEM 440
CHEM 420	Environmental Chemistry	4	CHEM 202
CHEM 314	Biochemistry (with lab component)	5	CHEM 311
CHEM 450	Advanced Organic Chemistry	4	CHEM 312

For Students Following BS degree and starting on an even year (2014, 2016, 2018, etc)

**Third Year (Even year)**

*Fall Semester*

Course	Title	Units	Prereq
CHEM 411	Physical Chemistry I	4	CHEM 202/MATH 202/PHYS 202
CHEM 370	Chemistry Seminar	1	
GE		3	
GE		3	
GE		3	

*Spring Semester*

Course	Title	Units	Prereq
CHEM 412	Physical Chemistry II	4	CHEM 411
CHEM 412L	Physical Chemistry Lab	0	
CHEM 370	Chemistry Seminar	1	
GE		3	
GE		3	

**Fourth Year**

*Fall Semester*

Course	Title	Units	Prereq
CHEM 230	Analytical Chemistry	4	CHEM 202
CHEM 230L	Analytical Chemistry Lab	0	
CHEM 440	Inorganic Chemistry	4	CHEM 202
NASC 370	Science Seminar	1	
CHEM ***	Elective	4	

*Spring Semester*

Course	Title	Units	Prereq
CHEM 430	Instrumental Analysis	4	CHEM 230
CHEM 430L	Instrumental Analysis Lab	0	
CHEM ***	Elective	4	
CHEM 370	Chemistry Seminar	1	
CHEM 499	Senior Project	4	
GE		3	

Electives:

Course	Title	Units	Prereq
CHEM 441	Materials Chemistry	4	CHEM 440
CHEM 420	Environmental Chemistry	4	CHEM 202
CHEM 314	Biochemistry (with lab component)	5	CHEM 311
CHEM 450	Advanced Organic Chemistry	4	CHEM 312

For BA degree, student had the option to select one course from the electives listed above