CHEMISTRY (B.A.)

Many occupations require a moderate training in chemistry combined with training in one or more other areas. Accordingly, the Bachelor of Arts degree in Chemistry is intended for those students desiring a less specialized background in chemistry compared to the Bachelor of Science degree. The program is extremely flexible with fewer required courses in chemistry and mathematics, offering a wider scope of elective courses giving students the freedom to tailor a program to suite their individual needs. For example, students who desire chemistry as a major in programs of pre-engineering, pre-medicine, pre-dentistry, pre-veterinary, or prelaw may elect this program. Students interested in teaching chemistry in high school normally complete a BA degree in chemistry. Other suitable career pathways include sales or technical service, technical editors, writers, or secretaries, or technical librarians, chemical patent lawyers, or forensic scientists.

Chemistry (B.A.) majors complete a minimum of 120 credits to earn a bachelor's degree, including 41–44 credits of core courses (https://catalog.salve.edu/undergraduate/curriculum-degree-programs/) and 51 credits in their major.

Code	Title	Credits
Required Courses		
CHM-113	General Chemistry I	4
CHM-114	General Chemistry II	4
CHM-205	Organic Chemistry I	4
CHM-206	Organic Chemistry II	4
CHM-301	Analytical Chemistry	4
CHM-305	Physical Chemistry I	4
CHM-408	Inorganic Chemistry	4
CHM-410	Topics in Chemistry and Research Capstone	3
Select one elective course:		4
BCH-403	Biochemistry	
BCH-410	Pharmacology and Toxicology	
CHM-306	Physical Chemistry II	
CHM-309	Instrumental Analysis	
CHM-310	Environmental Chemistry	
CHM-407	Advanced Organic Chemistry	
Mathematics		
MTH-195	Calculus I	4
MTH-196	Calculus II	4
Physics		
PHY-205	Principles of Physics I	4
PHY-206	Principles of Physics II	4
Total Credits		**51**

Degree Plan for Chemistry (B.A.)

Course	Title	Credits
First Year		
Fall		
STU-101	First Year Studio	1
WRT-105	College Writing and Research Intensive [1]	3
PHL-105 or RTS-105	Finding Your Moral Compass [2] or Faith, Mercy, Justice in the 21st Century	3
CHM-113	General Chemistry I	4
MTH-195	Calculus I	4
	Credits	**15**
Spring		
PHL-105 or RTS-105	Finding Your Moral Compass [2] or Faith, Mercy, Justice in the 21st Century	3
CHM-114	General Chemistry II	4
MTH-196	Calculus II	4
Core Course		3
Core Course		3
	Credits	**17**
Second Year		
Fall		
STU-201	Sophomore Studio [3]	1
CHM-205	Organic Chemistry I	4
PHY-205	Principles of Physics I	4
Core Course		3
Core Course		3
	Credits	**15**
Spring		
CHM-206	Organic Chemistry II	4
PHY-206	Principles of Physics II	4
Core Course		3
Core Course		3
Elective		3
	Credits	**17**
Third Year		
Fall		
CHM-301	Analytical Chemistry	4
CHM Elective		3-4
Core Course		3
Elective		3
	Credits	**13-14**
Spring		
CHM-408	Inorganic Chemistry	4
Core Course		3
Elective		3
Elective		3
Elective		3
	Credits	**16**
Fourth Year		
Fall		
CHM-305	Physical Chemistry I	4
CHM-410	Topics in Chemistry and Research Capstone	3
Elective		3
Elective		3
Elective		3
	Credits	**16**
Spring		
Elective		3
Elective		3
Elective		3
Elective		3
	Credits	**12**
	Total Credits	**121-122**

1 The first-year writing requirement may be fulfilled by completing WRT-105 in either the fall or spring semester. Alternately, a student may opt for the two-course sequence, completing WRT-102 in the fall and WRT-103 in the spring.

2 One each semester.

[3] This weekend workshop may be taken in either the fall or spring semester of sophomore year.