

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: 49–51 credits of core courses (<https://catalog.salve.edu/undergraduate/curriculum-degree-programs/>), 21–25 elective credits, 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		
UNV-101 & FYT-101	University Seminar and First Year Studio	4
CHM-113	General Chemistry I	4
MTH-195	Calculus I	4
Core Course		3
Credits		15

Spring		
Core Course		3
UNV-102	University Seminar II	3
CHM-114	General Chemistry II	4
MTH-196	Calculus II	4
Core Course		3
Credits		17

Second Year		
Fall		
RTS-225 or PHL-225	The Quest for the Ultimate: Dialogue with Global Religious Traditions ¹ or Quest for the Good Life	3
CHM-205	Organic Chemistry I	4
PHY-205	Principles of Physics I	4
Core Course		3
Core Course		3
Credits		17

Spring		
RTS-225 or PHL-225	The Quest for the Ultimate: Dialogue with Global Religious Traditions ¹ or Quest for the Good Life	3
Core Course		3
Core Course		3
PHY-206	Principles of Physics II	4
CHM-206	Organic Chemistry II	4
Credits		17

Third Year		
Fall		
CHM-301	Analytical Chemistry	4
Core Course		3
CHM Elective		3-4
Elective		3
Credits		13-14

Spring		
Core Course		3
Elective		3
Elective		3
Elective		3
CHM-408	Inorganic Chemistry	4
Credits		16

Fourth Year		
Fall		
CHM-305	Physical Chemistry I	4
CHM-410	Topics in Chemistry and Research Capstone	3
Elective		3
Elective		3
Credits		13

Spring		
Elective		3
Elective		3
Elective		3
Elective		3
Credits		12
Total Credits		120-121

¹ One each semester.