

# Chemistry- Bachelor of Arts

For information, contact the Department of Chemistry and Biochemistry, 160 Hughes Laboratories, 513-529-2813.

This program is for students interested in a career in the life or health sciences, physical sciences related to chemistry, or in teaching chemistry in secondary school. Students who anticipate graduate study in chemistry should elect the B.S. Chemistry Program. Chemistry and required related courses cannot be taken on a credit/no-credit basis.

## Program Requirements

(32 semester hours, plus 26-29 related hours)

Code	Title	Credit Hours
<b>Core courses</b>		
Select one of the following:		3
CHM 141	College Chemistry	
CHM 141H	College Chemistry	
CHM 141R	College Chemistry	
Select one of the following:		3
CHM 142	College Chemistry	
CHM 142M	College Chemistry for Majors	
CHM 142H	College Chemistry	
Select one of the following:		2
CHM 144M	College Chemistry Laboratory for Majors	
CHM 144	College Chemistry Laboratory (with approval)	
Select one of the following:		2
CHM 145M	College Chemistry Laboratory	
CHM 145	College Chemistry Laboratory (with approval)	
Select the following:		
CHM 251 & CHM 252	Organic Chemistry for Chemistry Majors and Organic Chemistry for Chemistry Majors	6
or CHM 241 & CHM 242	Organic Chemistry and Organic Chemistry	
CHM 254 & CHM 255	Organic Chemistry Laboratory for Chemistry Majors and Organic Chemistry Laboratory for Chemistry Majors	4
CHM 375	Analytical Chemistry for Majors	3
CHM 451	Physical Chemistry for Chemistry Majors <sup>1</sup>	3
or CHM 471	Biophysical Chemistry I	
CHM 452	Physical Chemistry for Chemistry Majors	3
or CHM 472	Biophysical Chemistry II	
CHM 491	Chemistry in Societal Issues	3

or CHM 492 Independent Research Capstone in Chemistry

### Related Hours

MTH 151	Calculus I	4
MTH 251	Calculus II	4-5
or MTH 249	Calculus II	
PHY 181 & PHY 183	General Physics I and General Physics Laboratory I	4-5
or PHY 161	Physics for the Life Sciences with Laboratory I	
PHY 182 & PHY 184	General Physics II and General Physics Laboratory II	4-5
or PHY 162	Physics for the Life Sciences with Laboratory II	

### Additional Science Courses

Select nine credit hours at 200 level or above in any of the following departments: BIO, CHM, CSE, CPB, GLG, ISA, MBI, MME, PHY and STA. 9

Choices can also be made from the following:

MTH 222	Introduction to Linear Algebra
MTH 231	Elements of Discrete Mathematics
MTH 245	Differential Equations for Engineers
MTH 252	Calculus III
MTH 347	Differential Equations

### Total Credit Hours

**57-60**

<sup>1</sup> CHM 451 and CHM 452 are preferred.

Students seeking the Bachelor of Arts in Chemistry meet the College of Arts and Science writing in the major requirement by completing the following course: CHM 375 .