

3 Year Program for Bachelor of Science Degree in Chemistry Tentative Three-Year Plan of Study

The program outline below shows how a student can earn the Bachelor of Science degree in three years at BGSU. Before you enroll at BGSU, consult with a College of Arts and Sciences advisor (419-372-2015) so that you earn the right credits that will count toward the degree.

Credits to earn before enrolling at BGSU through AP, CLEP, PSEO, or Dual Enrollment transfer credit			
BGSU Course Subject and Title	Credits	BGSU Course Subject and Title	Credits
CHEM 1250 or 1350: General Chemistry I (BGP)	5	CHEM 1270 or 1370: General Chemistry II	4
MATH 1310: Calculus I (BGP)	5	CHEM 1280 or 1380: General Chemistry Lab	1
GSW 1110 Intro to Academic Writing (BGP)	3	MATH 2320: Calculus II	5
Foreign Language III* (A&S)	3	GSW 1120 Academic Writing (BGP)	3
		Foreign Language IV* (A&S)	3
Total Hours Completed 32			
Fall Semester Year 1			
PHYS 2010 or 2110: College or University Physics I (BGP)	5	Spring Semester Year 1	
CHEM 3410: Organic Chemistry I	5	PHYS 2020 or 2120: College or University Physics II (BGP)	5
Social Sciences #1 (BGP)	3	CHEM 3440: Organic Chemistry II	3
Humanities & Arts #1 (BGP CD)	3	CHEM 3450: Organic Chemistry Lab	2
		CHEM 2010: Quantitative Chemical Analysis	3
		Multi-Disciplinary Component #1 (A&S)	3
Total	16	Total	16
Fall Semester Year 2			
CHEM 4050: Physical Chemistry I	4	Spring Semester Year 2	
CHEM 4070: Integrated Lab I	2	CHEM 4060: Physical Chemistry II	4
Chemistry Elective (CHEM 4450: General Biochemistry I for ACS certification)	3	CHEM 4080: Integrated Lab II	2
CHEM 4130: Undergraduate Research (for ACS certification)	3	Humanities & Arts #2 (BGP)	3
Social Sciences #2 (BGP IP)	3	Multi-Disciplinary Component #2 (A&S)	3
Total	15	Total	15
Fall Semester Year 3			
Chemistry Elective (CHEM 4630: Advanced Inorganic Chemistry for ACS certification)	3	Spring Semester Year 3	
Multi-Disciplinary Component #3 (A&S)	3	CHEM 4540: Instrumental Methods of Analysis	3
Minor/Electives/Undergraduate Research/Internship	6	Multi-Disciplinary Component #4 (A&S)	3
		Minor/Electives/Undergraduate Research/Internship	9
Total	15	Total	15

- **Assumes the student has had at least 2 years of the same foreign language in high school. This degree requires 4 years of the same language in high school or four semesters (through the 2020 level or equivalent) of the same language at the university level.*
- *For approved Laboratory Science, Foreign Language, and Multi-Disciplinary Component course offerings, please consult the College of Arts & Sciences Student Handbook at: <http://www.bgsu.edu/arts-and-sciences/student-resources.html>*

Any questions? Contact an advisor in the College of Arts & Sciences at 419-372-2015