Bachelor of Science in CHEMISTRY – ACS Certified

Graduation MAP

This is a suggested plan. Meet with an academic advisor to create a specific plan that best fits your academic needs. Remember, taking an average of 15 credit hours per semester facilitates timely graduation.

Catalog Year 2020-2021: MATH 1210 Placement **NAME:** _____

☑	Course	Credit Hour	Semester Offered	Milestones & Notes
	Freshman (Semester 1)			
	CHEM 1210 PS Principles of Chemistry I	5	F, Sp, Su	• Average GPA 2.0 or higher required for courses within the major.
	MATH 1210 Calculus I	4	F, Sp, Su	
	PHYS 2210 PS Physics for Scientists I	5	F, Sp	
	Total Semester Credits	**14**		
	Freshman (Semester 2)			
	CHEM 1220 Principles of Chemistry II	5	F, Sp, Su	
	MATH 1220 Calculus II	4	F, Sp, Su	
	PHYS 2220 Physics for Scientists & Engineers II	5	F, Sp	
	LIBS 1504 Information Literacy Comp Exam	1	F, Sp, Su	
	Total Semester Credits	**15**		
	Freshman (Optional)			
	Total Semester Credits			
	Sophomore (Semester 3)			
	CHEM 2310/2315 Organic Chemistry I/Lab	5	F, Sp, Su (B1)	• Required Foundation Courses: Chem 2310, Chem 2315, Chem 2990, Chem 3000, Chem 3070, Chem 3075, Chem 3410, Chem 3610
	†CHEM 3000 Quantitative Analysis (Foundation Analytical)	4	F, Sp	
	†CHEM 3020 Computer Applications in Chemistry	1	F, Sp	
	ENGL 1010 Introductory College Writing	3	F, Sp, Su	
	GE Education Requirement	3	F, Sp, Su	
	Total Semester Credits	**16**		
	Sophomore (Semester 4)			
	**CHEM 2320/2325^{L} Organic Chemistry II/Lab	5	F, Sp, Su (B2)	• **Elective In-Depth Course options (min 16 credit hours): CHEM 2320, CHEM 2325^{L}, CHEM 3020, †CHEM 3050^{L}, CHEM 3080, †CHEM 3090^{L}, , †CHEM 3610^{L}, CHEM 4250, †CHEM 4420^{L}, †CHEM 4540^{L}, CHEM 4550, †CHEM 4620^{L}, CHEM 4630^{L}, CHEM 4700, MATH 3410, MATH 3710, MATH 4110, MICR 4054, PHYS 3180, PHYS 3190, PHYS 3410, PHYS 4200, PHYS 4410, PHYS 4610, ZOOL 3200
	†**CHEM 3050^{L} Instrumental Analysis	4	F, Sp	
	ENGL 2010 EN Intermediate College Writing	3	F, Sp, Su	
	GE Education Requirement	3	F, Sp, Su	
	CHEM 2990 Chemical Technician Seminar	1	F, Sp	
				• ^{L} Includes laboratory credit that counts toward the 4-credit in-depth laboratory requirement
	Total Semester Credits	**16**		
	Sophomore (Optional)			
	Total Semester Credits			

☑	Course	Credit Hours	Semester Offered	Milestones & Notes
	Junior (Semester 5)			
	†CHEM 3070/3075 Biochemistry I/Lab (Foundation Biochem)	4	F, Sp	• † 40 Upper Division credit hours (3000-level or higher) required to graduate • **MINIMUM CHEMISTRY REQUIRED COURSES DO NOT FULLY SATISFY UNIVERSITY UPPER DIVISION REQUIREMENTS.**
	†CHEM 3410 Foundations in Physical Chemistry	4	F, Sp	
	†CHEM 3610 Foundations of Inorganic Chemistry	4	F, Sp	
	†CHEM 4800 Research & Independent Study in Chem	1	F, Sp, Su	
	GE Education Requirement	3	F, Sp, Su	
	Total Semester Credits	**16**		
	Junior (Semester 6)			
	†**CHEM 4420^{L} Quantum Chemistry	4	Sp	• Chem 2320, Chem 2325, Chem 4420, Chem 4620 recommended for students planning to attend Graduate School • Additional courses should be chosen to support career plans
	GE Education Requirements	9	F, Sp, Su	
	†Upper Division Elective	2	F, Sp,	
	Total Semester Credits	**15**		
	Junior (Optional)			
	Total Semester Credits			
	Senior (Semester 7)			
	†**CHEM 4540^{L} Spectrometric & Separation Methods	4	F	
	†**CHEM 4700 Special Topics	1	F, Sp	
	CHEM 4800 Research & Independent Study in Chem	1	F, Sp, Su	
	GE Education Requirement	3	F, Sp, Su	
	Electives	6		
	Total Semester Credits	**15**		
	Senior (Semester 8)			
	†**CHEM 4620^{L} Advanced Inorganic Chemistry	4	Sp	
	†**CHEM 4700 Special Topics	1	F, Sp	
	†CHEM 4990 Senior Seminar	1	F, Sp	
	GE Education Requirement	6	F, Sp, Su	
	†Upper Division Elective	1	F, Sp	
	Total Semester Credits	**13**		
	Senior (Optional)			
				• ***A minimum of 120 credit hours are required for a bachelor's degree**
	Total Semester Credits			
	Total Bachelor Credits	**120**		

Gen Ed Breadth Requirements (do not duplicate departments)

□ HU	□ CA	□ HU or CA
□ SS	□ SS	
□ PS	□ LS	□ PS or LS
□ DV **(Double dip with Breadth course)**		

Avoid misadvisement! Consult your academic advisor (weber.edu/advisors), the WSU Catalog (weber.edu/catalog), and your CatTracks degree evaluation (log into your eWeber Student Portal).

Revision Date: 5/27/2020

Notes:

Average GPA of 2.00 or better required for courses within major.

See WSU Catalog for prerequisite requirements & elective course options.

Students who have math deficiencies will require additional semesters to graduate. It is recommended that Gen Ed courses to be taken during summer semester to accommodate remedial MATH and ENGLISH courses.

Since this is a science major, the course requirements are very rigid. Major courses are prioritized over Gen. Ed. Courses. Significant deviation from the MAP will likely result in additional semester required to graduate.