

Northwest Missouri State University Department of Natural Sciences Chemistry – Minor Required Bachelor of Arts

First Year					
First Term			Second Term		
17-117	Precalculus Algebra**	5		Modern Language (1 of 3)	3
04-102/103	General Biology & Lab OR	4	10-112	Composition II: Writing as Engagement	3
04-106/107	Principles of Biology & Lab		10-112	Composition ii. Writing as Engagement	3
77-101	IR: University Seminar	1		Civics - History	3
10-111	Composition I: Academic Literacies	3	24-116/117	General Chemistry II & Lab	5
24-114/115	General Chemistry I & Lab*	4		Minor	3
Total Hours		17	Total Hours		17
Second Year					
First Term			Second Term		
24-342/343	Organic Chemistry I & Lab	4	24-344/345	Organic Chemistry II & Lab	4
	Modern Language (2 of 3)	3		Minor	6
25-110/111	General Physics I & Lab OR	4		Modern Language (3 of 3) (300 level)	3
25-112/113	General Physics II & Lab	4		Modern Language (5 of 5) (500 level)	3
29-102	Fundamentals of Oral Communication	3		Elective	3
Total Hours		14	Total Hours		16
Third Year					
First Term			Second Term		
	Social and Behavioral Sciences (1 of 2)	3		Humanities (1 of 2)	3
	Minor	3		Minor (300+)	3
	Minor (300+)	3		Minor (300+)	3
	Fine Arts	3		Chemistry Elective (300+)	4
24-322/323	Analytical Chemistry & Lab	4			
Total Hours		16	Total Hours		13
Fourth Year					
First Term			Second Term		
34-102	Introduction to Am. Gov't & Politics	3	10-220	Intro to Literature	3
24-592	Chemistry Seminar	1		Humanities (2 of 2)	3
	IR: Digital Literacy	3		Social and Behavioral Sciences (2 of 2)	3
	Minor (300+)	3		Chemistry Elective (300+)	4
	Chemistry Elective (300+)	4			
Total Hours		14	Total Hours		13

^{*}Enrolling in Chemistry 112/113 should be considered prior to Chemistry 114/115 if a rigorous high school Chemistry background is absent. Similar considerations are warranted proficiency in high school Algebra II.

^{**}Students with a 27 or higher mathematics ACT sub score are eligible to begin with Calculus I. Students with mathematics ACT sub scores between 22 and 26 with a high-school GPA of 3.9 or higher are eligible to begin with Calculus I. Students not meeting these criteria must first complete either 17-117 or 17-118 and 17-119.