



Secondary Education 8-12  
Chemistry  
Bachelor of Science Curriculum Plan

\_\_\_\_\_  
Student ID# Advisor

It is the student's responsibility to consult the College Catalog regarding requirements for admission to the Teacher Education Program and student teaching. These include but are not limited to a 2.75 GPA overall in pre-professional requirements, in professional requirements and in teaching emphasis for admission to student teaching.

This *Program of Study* is valid for 3 years following acceptance into the Teacher Education Program; however, the program may be altered at any time by state or national accreditation or certification agencies.

Union Liberal Education Core (or equivalent) Completed \_\_\_\_\_

**Pre-Professional Requirements (15 Hours)**

	Required Course		Hrs.	Transfer/Substitution & Inst.	Grade
1.	SPAN 113	Spanish for Pro. Practice	3		
2.	EDUC 283	Educational Technology	3		
3.	PSYH 200	Introduction to Psychology	3		
4.	MATH 230	Elementary Prob. & Stats.	3		
5.	WELL 131	First Aid & Safety Education	3		

Pre-Professional GPA \_\_\_\_\_

**Professional Preparation<sup>2</sup> (41 Hours)**

	Required Course		Hrs.	Transfer/Substitution/Notes	Final Grade
1.	Novice Block	EDUC 231	Schooling in American Culture	3	
2.		EDUC 211	Early Involvement Seminar	2	
3.		EDUC 210	Early Involvement Practicum	1	

	Required Course		Hrs.	Transfer/Substitution/Notes	Final Grade
4.	Inter. Block	EDUC 376	Instructional Design and Delivery Sec. School	3	
5.		EDUC 310	Intermediate Involvement Practicum	1	
6.		EDUC 470	Learning Theories for P12 Educators	3	
7.		SPED 321	Survey of Exceptionalities	3	

CASE Exam: Reading \_\_\_\_\_ Writing \_\_\_\_\_ BIOL \_\_\_\_\_

Date Admitted to Teacher Education \_\_\_\_\_

	Required Course		Hrs.	Transfer/Substitution/Notes	Final Grade
8.	Adv. Block <sup>3</sup>	EDUC 410	Advanced Involvement Practicum	1	
9.		EDUC 338	Teaching Reading in Content Subject	3	
10.		EDUC 447	Methods and Materials: Secondary School	3	

**NOTE: Students must be admitted to Teacher Education to take Advanced and Final Block classes (see College Catalog).**

PRAXIS Exams		KY Required Score	DATE	SCORE
English Language Literature & Composition: Content & Analysis		166		
Principles of Teaching and Learning (5624) or (0624)		160		
To be eligible for Student Teaching, all professional courses excluding EDUC 488 must be completed, and all PRAXIS II content area tests must be passed.				

	Required Course			Hrs.	Transfer/Substitution/Notes	Final Grade	
11.	Final Block	EDUC 488:	Professional Interaction in Schools	3			
12.		EDUC 498:	Student Teaching <sup>4</sup>	12			

Professional GPA \_\_\_\_\_

<sup>1</sup> Multiple options available. Check with advisor

<sup>2</sup> A grade point average of 2.75 is required and no grade below a "C" is acceptable

<sup>3</sup> Student must be admitted to Teacher Education to take Advanced Block Classes (see catalogue)

<sup>4</sup> To be eligible for Student Teaching:

- All Professional Courses excluding EDUC 488 must be completed.
- All PRAXIS II content area and PLT tests must be passed.
- Consult Educational Studies Unit for other requirements.

**Student Teaching Portfolio Approval:** \_\_\_\_\_

(College Based Supervisor)

\_\_\_\_\_  
(Date)

### CHEMISTRY (43 Hours)

	Required Course		Hrs.	Transfer/Substitution/Notes	Final Grade
1.	CHEM 121	General Chemistry I	4		
2.	CHEM 122	General Chemistry II	4		
3.	MATH 241	Introduction to Differential Calculus	4		
4.	MATH 242	Intermediate Calculus and Analytic Geo	4		
5.	PHYS 211	General Physics I	4		
6.	PHYS 213	General Physics Lab I	1		
7.	CHEM 212	Analytical Chemistry	4		
8.	CHEM 311	Organic Chemistry I	5		
9.	CHEM 312	Organic Chemistry II	5		
10.	CHEM 314	Physical Chemistry Lab	1		
11.	CHEM 332	Physical Chemistry	3		
12.	PHYS 212	General Physics II	4		
		TOTAL	42		

ACADEMIC EMPHASIS GPA \_\_\_\_\_

CUMULATIVE GPA \_\_\_\_\_

A total of 120 semester hours is required for graduation. Thirty-two of the last 38 hours must be earned at Union. Appropriate Praxis II and PLT tests must be successfully completed for certification.

Teacher certification requirements are subject to change. Before registering for the Praxis test(s), please refer to the Education Professional Standards Board website at [www.epsb.ky.gov](http://www.epsb.ky.gov) for current requirements or call 502-564-4606 or toll free at 1-888-598-7667.

\_\_\_\_\_  
Advisor

\_\_\_\_\_  
Date

\_\_\_\_\_  
Candidate

\_\_\_\_\_  
Date