



**School of Education
Empowerment for Learning**

CURRICULUM GUIDE

8-12 Bachelor of Science in Chemistry 05/03/2018

Name _____ Advisor _____ Ethnicity _____

Gender: M F Address _____

SSN# _____ Telephone Number _____

E-Mail Address _____ Semester/Year admitted (SOE) _____

CAP I _____ CAP 2/Praxis (CASE) _____ CAP 3/Portfolio _____ CAP 4/Portfolio _____

PRAXIS Chemistry Content Knowledge (5245) _____ (147 passing) Date Taken _____

PRAXIS PLT Exam (5624) _____ (160 passing) Date Taken _____

Reminders: A minimum overall GPA of 2.75 is required for admission to and continuation in the educator preparation program. A C or better is required in all courses on curriculum guide. A CAP 4 portfolio of satisfactory evidence for all KTPS/InTASC standards is required for program exit at CAP 4. For a complete listing of all program requirements, please see the appropriate CAP guide.

Praxis Disclaimer: Kentucky educator certification requirements are subject to change. Before registering for the test(s), please check the Education Professional Standards Board website at www.epsb.ky.gov for current test requirements and current cut scores. You may also contact 502-564-4606 or toll free at 888-598-7667.

Professional Courses 33 Hours	
<p>Foundation Coursework: 12 hours</p> <p>Sem/Year Grade</p> <p>_____ _____ ED 199 Entry to Teacher Preparation (0)</p> <p>_____ _____ ED 220 Introduction to Teaching (3)</p> <p>_____ _____ ED 300 Human Dev. & Learn. Theory(3)</p> <p>_____ _____ ED 310 Instructional Technology(3)</p> <p>_____ _____ ED 325 Teaching Diverse Learners(3)</p>	<p>Pedagogy Coursework: 9 hours</p> <p>Sem/Year Grade</p> <p>_____ _____ ED 359 Content Literacy (3)</p> <p>_____ _____ ED 390 Assessment & Instructional Strategies (3)</p> <p>_____ _____ ED 414 Classroom Management (3)</p> <p>Clinical Practice: 12 hours</p> <p>_____ _____ ED 450 Student Teaching (12)</p>
8-12 Chemistry Courses 70 Hours + 7 General Education	
<p>Related Courses: 30 hours</p> <p>a. Biology Content Courses:</p> <p>_____ _____ BIO 200 Biological Concepts (4)*</p> <p align="right">Total: 4 hours Gen Ed</p> <p>b. Earth/Space Science Courses:</p> <p>_____ _____ GEO 105 Intro. to Earth Science (3)*</p> <p>_____ _____ GEO 106 Intro. to Earth Science Lab (1)</p> <p align="right">Total: 1 hour + 3 Gen Ed</p> <p>c. Physics Courses:</p> <p>_____ _____ PHY 241/243 Univ. Physics I and Lab (5)</p> <p>_____ _____ PHY 242/244 Univ. Physics II and Lab (5)</p> <p align="right">Total: 10 hours</p> <p>d. Mathematics Courses:</p> <p>_____ _____ MTH 210 Analytics and Calculus I (4)</p> <p>_____ _____ MTH 211 Analytics and Calculus II (4)</p> <p>_____ _____ MTH 310 Calculus III (4)</p> <p align="right">Total: 12 hours</p> <p>e. Major Courses</p> <p>_____ _____ CHE 111 General Chemistry I (3)</p> <p>_____ _____ CHE 113 Gen. Chem. I Lab (1)</p> <p>_____ _____ CHE 112 Gen. Chem. II (3)</p> <p>_____ _____ CHE 114 Gen. Chem. II Lab (2)</p> <p>_____ _____ CHE 321 Analytical Chemistry (4)</p>	<p>_____ _____ CHE 315 Research Methods (2)</p> <p>_____ _____ CHE 341 Organic Chem. I (3)</p> <p>_____ _____ CHE 343 Organic Chem. I Lab (1)</p> <p>_____ _____ CHE 342 Organic Chem. II (3)</p> <p>_____ _____ CHE 344 Organic Chem. II Lab (2)</p> <p>_____ _____ CHE 350 Instrumental Methods (4)</p> <p>_____ _____ CHE 380 Junior Seminar (1)</p> <p>_____ _____ CHE 450 Methods of Science Teaching (3)</p> <p>_____ _____ CHE 451 Phy Chem. I (3)</p> <p>_____ _____ CHE 453 Phy. Chem. I Lab (1)</p> <p>_____ _____ CHE 452 Phy. Chem. II (3)</p> <p>_____ _____ CHE 454 Phy. Chem. II Lab (1)</p> <p>_____ _____ CHE 460 Biochemistry (3)</p> <p>_____ _____ CHE 480 Senior Seminar (1)</p> <p align="right">Total: 44 Hours</p> <p>f. Electives for the major: 3 hours</p> <p>_____ _____ ENV 355 Environmental Chemistry (4)</p> <p>_____ _____ CHE 370 Inorganic Chemistry (3)</p> <p>_____ _____ CHE 385 Internship (1-4)</p> <p>_____ _____ CHE 390 Junior Research (1)</p> <p>_____ _____ CHE 400 Special Topics (3)</p> <p>_____ _____ CHE 490 Senior Research (1-3)</p> <p align="right">Total: 3 Hours</p> <p>General Education: 41 hours</p> <p>First Year 2 hours</p> <p>Professional Education: 33 hours</p> <p>Chemistry Content Courses: 70 hours</p> <p>Total: 146 hours</p>
<p>* General Education Requirement</p>	

My signature below indicates I hereby recognize it is my responsibility to review and ensure I complete the above requirements for successful continuation in and exit from the Teacher Education Program.

Student Signature

Date

Advisor Signature

Date