

Murray State University
 Department of Chemistry
 BS – Chemistry/Secondary Certification (Grades 8-12)

Student _____ M# _____ Advisor _____

UNIVERSITY STUDIES FOR B.S. DEGREE (41-50 HOURS)

Oral and Written Communication (7 Hours)		Hours	Semester	Grade
ENG 105	Critical Reading, Writing, and Inquiry	4	_____	_____
COM 161	Introduction to Public Speaking	3	_____	_____
Scientific Inquiry, Methodologies, and Quantitative Skills (13 Hours)				
MAT 250	Calculus and Analytic Geometry	5	_____	_____
PHY 130	General Physics I ¹	3	_____	_____
	<i>and</i>			
PHY 131	General Physics I Laboratory ¹	1	_____	_____
PHY 132	General Physics II ¹	3	_____	_____
	<i>and</i>			
PHY 133	General Physics II Laboratory ¹	1	_____	_____
World's Historical, Literary, and Philosophical Traditions (6 Hours)				
CIV 201 or 202	World Civilization I or II	3	_____	_____
HUM 211	The Western Humanities Tradition	3	_____	_____
Global Awareness, Cultural Diversity, and the World's Artistic Traditions (3 Hours)				
	Approved University Studies _____	3	_____	_____
Social and Self-Awareness and Responsible Citizenship (6 Hours)				
	Eth., Soc. Resp., or Civ. Engage. Approved Course _____	3	_____	_____
	Advisor approved Elective _____	3	_____	_____
University Studies Approved Electives (6 Hours)				
CSC 199	Introduction to Information Technology ^{3,4}	3	_____	_____
	<small>*Technology-Intensive Course</small>			
	Approved University Studies Elective _____	3	_____	_____

REQUIRED COURSES (30 HOURS)

CHE 100T	Transitions	1	_____	_____
CHE 120	Chemical Laboratory Safety	1	_____	_____
CHE 201	General College Chemistry	5	_____	_____
CHE 202	General Chemistry and Qualitative Analysis	5	_____	_____
CHE 305	Analytical Chemistry	5	_____	_____
CHE 312	Organic Chemistry I	5	_____	_____
CHE 320	Organic Chemistry II	3	_____	_____
CHE 403	Basic Physical Chemistry	5	_____	_____

REQUIRED LIMITED ELECTIVES (3-4 HOURS)

Select from the following:

CHE 330	Basic Biochemistry	3	_____	_____
CHE 352	Basic Chemical Instrumentation	4	_____	_____
CHE 504	Fundamentals of Toxicology	3	_____	_____
CHE 513	Environmental Chemistry	3	_____	_____

SECONDARY CERTIFICATION COURSES (33 HOURS)

EDU 180	Exploring the Teaching Profession	3	_____	_____
EDU 280	Educating for Human Development	3	_____	_____
EDU 380	Inclusive Teaching of Diverse Learners	3	_____	_____
EDU 480	Effective Pedagogy	2	_____	_____
EDU 485	Professional Perspectives for Teaching	1	_____	_____
SEC 420	Practicum in Secondary Schools ⁵	3	_____	_____
SEC 422	Extended Practicum ⁶	4	_____	_____
SEC 421	Student Teaching in the Secondary School	14	_____	_____
	<small>*Writing-Intensive Course</small>			

REQUIRED MINOR (21 HOURS)

Approved Minor Class		_____	_____
Approved Minor Class		_____	_____
Approved Minor Class		_____	_____
Approved Minor Class		_____	_____
Approved Minor Class		_____	_____

Total Curriculum Requirements – 128-137 hours

¹Required for major if not taken as a University Studies elective. Students pursuing a Physics minor may substitute PHY 235/236 and 255/256 for PHY 130/131 and 132/133.

²Required for secondary certification if not taken as a University Studies elective.

³With a grade of B or better.

⁴May substitute CSC 232 or EGR 140, but these will not count for University Studies electives.

⁵SEC 420 and EDU 405 must be taken together and two semesters before student teaching.

⁶SEC 422 must be taken one semester before student teaching.

IMPORTANT: Upon completion of 60 undergraduate credit hours (junior status), students enrolled or desiring enrollment in education coursework beyond 12 hours credit MUST be admitted to the Teacher Education Program. Students must be admitted to Teacher Education prior to enrollment in upper level teacher education courses.

Teacher certification requirements are subject to change. Before registering for the test(s), please refer to the Education Professional Standards Board (EPSB) website at www.kyepsb.net for current requirements or contact the Division of Internship and Assessment at 502-564-4606 or 888-598-7667.

GRADE POINT AVERAGE REQUIREMENTS:

Grade point averages are reviewed during three checkpoints: admission to teacher education (see Requirements for Admission to Teacher Education), admission to student teaching (requires a 2.75 average overall; a 2.75 average in content area; a 2.75 average in professional education) and at the time of completion/graduation (2.75 overall).

Program Requirements

Faculty continuously assess candidates' progress toward demonstrating proficiency in the Kentucky Teacher Performance Standards using a checkpoint system: admission to teacher education, admission to student teaching, and program completion. The eligibility portfolio is assessed during the student teaching semester.

REQUIREMENTS FOR ADMISSION TO TEACHER EDUCATION AND STUDENT TEACHING AT MURRAY STATE UNIVERSITY (Revised 8-29-18)

Teacher Education

To be admitted to teacher education, students must meet these requirements.

1. Attend an admission to teacher education orientation.
2. Review the Professional Code of Ethics for Kentucky School Personnel. During the admission to teacher education orientation, sign the **Declaration of Eligibility** (pink sheet) affirming a commitment to uphold the code and acknowledging awareness of information required for state certification. If answers given on the Declaration of Eligibility change during the time of participation in the teacher education program, the Director of Teacher Education Services must be notified immediately.
3. Earn passing subject scores on one of these tests. Request ETS to send scores to Teacher Education Services electronically by using this code - R1494.
 - a) Core Academic Skills for Educators (CASE): Reading 156, Writing 162, Mathematics 150
 - b) PPST (taken before 9-2-14): Reading 176, Writing 174, Math 174
 - c) GRE (Graduate Records Exam): Verbal 150, Quantitative 143, analytical Writing 4.0. This exam is for students seeking initial certification at the graduate level
4. Earn an overall undergraduate GPA of > 2.75 on a 4.0 scale at the point of admission to teacher education. Maintain a 2.75 GPA throughout the entire certification program.
5. Complete a minimum of 24 credit hours with a GPA > 2.75, including this coursework:
 - a) ENG 101, 102, 104 or 105 with a "B" or higher
 - b) MAT 117 (or higher level math) with a "B" or higher
 - c) COM 161 or HON 165 with a "B" or higher

- d) EDU 180 or equivalent course with a “B” or higher
- 6. Schedule an admission to teacher education interview with academic advisor.
- 7. Submit application in *Recruiter*. Admission will only be granted following a successful review by Teacher Education Services.

NOTE: Students who have not been admitted to Teacher Education will not be eligible to enroll in upper level courses that specify admission to teacher education as a prerequisite.

Student Teaching

To be admitted to student teaching, students must meet these requirements.

- 1. Gain admission to Teacher Education.
- 2. Attend an Admission to Student Teaching orientation.
- 3. Formally apply for admission to student teaching two semesters before they plan to student teach. Applications are initiated during student teaching orientations.
- 4. Complete the supplemental items required for student teaching in *Recruiter*. See the Teacher Education Services homepage- Student Resource Links – Help Documents
- 5. Earn and maintain GPA > 2.75 in major/areas, professional education, and overall.
- 6. Demonstrate teaching ability during clinical experiences.
- 7. Document completion of 200 or more field hours and required components.
- 8. Complete all major courses and specialty areas to attain senior, post-bac, or graduate status.
- 9. Complete all required professional teacher education courses (EDU 180, EDU 280, EDU 380, EDU 480, EDU 485 or equivalents) with a “B” or higher.
- 10. File a valid and current medical examination, including a TB risk assessment within six months of student teaching.
- 11. Complete a criminal records background check and a Child Abuse and Neglect check.
- 12. Supply TES with additional information upon request (e.g. transcripts, course exception forms, etc.).

General Requirements for Kentucky Certification

Graduates who are seeking recommendation for initial Kentucky teaching certification must meet these requirements.

- 1. Complete an approved teacher education program including student teaching.
- 2. File an application for certification (CA-1) with Teacher Education Services at MSU.
- 3. Obtain passing scores on the PRAXIS II specialty area tests and the appropriate Principles of Learning and Teaching Test (PLT).
- 4. Complete all applicable computer literacy and applications requirements.
- 5. Earn a bachelor’s degree.
- 6. Pay certification fee to Kentucky Department of Education/Office of Educator Licensure and Effectiveness (formerly EPSB).
- 7. Send an official transcript to Office of Educator Licensure and Effectiveness (formerly EPSB).

To be recommended for certification in other states, all Kentucky requirements must be met.

NOTE: Requirements for Kentucky teacher certification may occur after publication of the current Murray State University *Bulletin*. For the most current information, students should check with their academic advisor.

Student _____

Advisor _____

Date _____

Date _____