

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

Student _____ M# _____ Advisor _____

UNIVERSITY STUDIES FOR B.S. DEGREE (41-47 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	_____	_____
And			
PHY 131 General Physics I Laboratory ¹	1	_____	_____
PHY 132 General Physics II ¹	3	_____	_____
and			
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	_____	_____
EDP 260 Psychology of Human Development ²	3	_____	_____
University Studies Approved Electives (9 Hours)			
CSC 199 Introduction to Information Technology ^{3,4}	3	_____	_____
*Technology-Intensive Course			
EDU 103 Issues and Practices of American Education	3	_____	_____
Approved University Studies Elective _____	3	_____	_____
REQUIRED COURSES (30 HOURS)			
CHE 099 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)			
<i>Select from the following:</i>			
CHE 330 Basic Biochemistry	3	_____	_____
CHE 352 Basic Chemical Instrumentation	4	_____	_____
CHE 502 Fundamentals of Toxicology	3	_____	_____
CHE 513 Environmental Chemistry	3	_____	_____
SECONDARY CERTIFICATION COURSES (35 HOURS)			
CHE 303 Strategies of Teaching Chemistry	3	_____	_____
or			
EDU 303 Strategies of Teaching	3	_____	_____
EDU 403 Structures and Foundations of Education	2	_____	_____
EDU 405 Evaluation and Measurement in Education ⁵	3	_____	_____
SEC 420 Practicum in Secondary Schools ⁵	3	_____	_____
SEC 422 Extended Practicum ⁶	4	_____	_____
SEC 421 Student Teaching in the Secondary School	14	_____	_____
*Writing-Intensive Course			
SEC 422 Extended Practicum	3	_____	_____
SED 300 Educating Students with Disabilities	3	_____	_____
REQUIRED MINOR (21 HOURS)			
Approved Minor Class		_____	_____
Approved Minor Class		_____	_____

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

Total Curriculum Requirements – 130-137 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).

**REQUIREMENTS FOR ADMISSION TO TEACHER EDUCATION AND STUDENT TEACHING
AT MURRAY STATE UNIVERSITY Rev. (9/2015)**

Teacher Education

To be admitted to teacher education, students must:

1. Attend an admission to teacher education orientation.
2. Earn passing scores on the Core Academic Skills for Educators (CASE) test with these subject scores – Reading 156, Writing 162, and Mathematics 150. Request ETS to send scores to Teacher Education Services electronically by using this code, R1494. If any of the PPST subject areas were passed prior to September 1, 2014, use these PPST scores - Reading 176, Writing 174, and Math 174. GRE (Graduate Records Exam) scores may be used for Graduate Students only with a minimum passing score of 150 in verbal, 143 in quantitative, and 4.0 in analytical writing.
3. Earn an overall undergraduate GPA of > 2.75 on a 4.0 scale at the point of admission. This 2.75 minimum GPA remains a requirement throughout the teacher certification program.
4. Complete a minimum of 24 credit hours with a GPA > 2.75 to include the following 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 103 with a “B” or higher (or AED 380 or EDU 104 or CTE 200 or MSU 123 or ELE 605 [graduate students])
5. Participate in the admission to teacher education interview and receive their academic advisor’s recommendation to continue the program.
6. Review the Professional Code of Ethics for Kentucky School Personnel. Sign the
 - a. Declaration of Eligibility (pink sheet) affirming a commitment to uphold the code and

- b. 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.

These requirements must be documented in *Recruiter*. CASE or GRE scores must be sent to MSU (R1494) via ETS. 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 have

- 1) been granted admission to Teacher Education;
- 2) filed a formal application in Teacher Education Services two semesters prior to the term in which student teaching is desired (Applications are distributed at scheduled student teaching orientations only.);
- 3) earned and maintained GPA ≥ 2.75 in major/areas, professional education, and overall;
- 4) demonstrated teaching ability in field and clinical situations;
- 5) documented completion of 200 or more field hours and components (beginning 9/1/2013);
- 6) senior, post-bac, or graduate status and have completed all major courses and specialty areas;
- 7) been admitted to Teacher Education;
- 8) completed all required professional teacher education courses (EDU 103, EDP 260,
- 9) EDU 303, SED 300 and EDU 403, etc. – see specific requirements by major or area) with a GPA > 2.75 GPA;
- 10) filed a valid and current medical examination, which includes a TB risk assessment (to begin student teaching within six months of exam);
- 11) obtained a criminal records background check; and
- 12) supplied TES with any other required information (transcripts, course substitution forms, etc.).

General Requirements for Kentucky Certification

Graduates who wish to be recommended by MSU for an initial Kentucky teaching certificate must have

- 1) successfully completed an approved teacher education program including student teaching;
- 2) filed an application for certification (CA-1) with Teacher Education Services at MSU;
- 3) obtained at least minimal scores required on PRAXIS specialty area tests and the appropriate Principles of Learning and Teaching Test (PLT);
- 4) completed all applicable **computer literacy and applications** requirements;
- 5) earned a bachelor's degree;
- 6) mailed a copy of criminal record check to EPSB; and
- 7) sent official transcript to EPSB.

In addition, in Kentucky, full certification requires the completion of the Kentucky Teacher Internship Program. To be recommended for certification in other states, all Kentucky requirements must be met.

NOTE: Requirements for teacher certification are established by the Kentucky Education Professional Standards Board (KEPSB). Students are cautioned that changes in these requirements may occur after publication of the current Murray State University *Bulletin*.

For the most current information, students should check with an advisor in one of the departments in the College of Education.

Student _____

Advisor _____

Date _____

Date _____