UNIVERSITY OF MISSOURI-ST. LOUIS, COLLEGE OF EDUCATION
B.S.DEGREE-SECONDARY EDUCATION
CHEMISTRY (9-12)
(130-131 credit hours, 144-145 credit hours)

NAME________________________________________________ STUDENT NUMBER_____

∗ GPA requirement : 2.75 Cumulative, 3.0 Content Area, 3.0 Professional Education
∗() prerequisites-Students are responsible for all course prerequisites

GENERAL EDUCATION REQUIREMENTS
(45-46 credit hours)

CORE
First Year Writing (3) _______ ENG 1100, HIST 1111, ENGL 1110, HONORS 1100, FGN LANG 1111
Math (3) _______ MATH 1020, MATH 1030, MATH 1045
Communications (3) _______ COMM 1030, COMM 1040, COMM 2230, COMM 2240, EDUC 2222, TH DAN 2241
Information Literacy Course: _____________ (3) _______ SOC 2280 (refer to BULLETIN for additional options)
American History & Government Course: _____________ (3) _______ HIST 1001, HIST 1002, HIST 1003 (refer to BULLETIN for options)

Total (15-16)

EXPLORE
HUMANITIES/FINE ARTS
Course: _____________ (3) _______ Course: _____________ (3) _______ Course: _____________ (3) _______ _______ _______

SOCIAL SCIENCES
Course: _____________ (3) _______ Course: _____________ (3) _______ Course: _____________ (3) _______ _______ _______

MATH and LIFE/NATURAL SCIENCES
Course: _____________ (3) _______ Course: _____________ (3) _______ Course: _____________ (3) _______ _______ _______

ENG 3100 Junior Level Writing *(ENG 1100, Jr. Standing) (3) _______ Total (30)

CONTENT COURSES FOR B.S. IN SECONDARY EDUCATION-CHEMISTRY
(44 credit hours)

1) Science Core Courses
BIOL 1831 Intro Biology I: From Molecules to Organisms (5) _______ ____________ BIOL 1202 Environmental Biology
*(MATH 1030, and ENGL 1100 or equivalent) OR Another Environmental Science (3) _______ _______
GEOL 1001 Gen Geo or ATM SCI 1001 Ele Meterology OR PHYSICS 2111 Mechanics and Heat *(MATH 1900) (5) _______ _______
ASTRON 1001 OR equivalent (4) _______ _______

2) Chemistry Endorsement
CHEM 1111 Introductory Chem I *(MATH 1030 & 1035) (5) _______ ____________ CHEM 3312 Physical Chemistry I
CHEM 1121 Introductory Chemistry II (5) _______ ____________ *(CHEM 1121,MATH 2000, PHYSICS 2111)
CHEM 2223 Quantitative Analysis *(CHEM 1121) (3) _______ ____________ OR CHEM 3302 Physical Chemistry for Life Sciences
CHEM 2612 Organic Chemistry I *(CHEM 1121) (3) _______ ____________ *(CHEM 2612 MATH 1800 OR MATH 1100 and PHYSICS 1012)
CHEM 2622 Organic Chemistry II *(CHEM 2612) (3) _______ ____________ CHEM 4712 Biochemistry *(CHEM 2612 and BIOL 1811 OR CHEM 2622)
CHEM 2633 Organic Chemistry Lab *(CHEM 2612) (2) _______ ____________

Total (89-90)

IMPORTANT: CONSENT NUMBERS ARE REQUIRED FOR PROFESSIONAL EDUCATION COURSES THAT INCLUDE CLINICAL EXPERIENCE HOURS OUTSIDE OF CLASS. YOU MUST MAKE ADJUSTMENTS TO YOUR PERSONAL AND WORK SCHEDULES TO COMPLETE THESE DESE REQUIREMENTS.

LEVEL I – EXPLORING EDUCATION AS A PROFESSION
(9 credit hours)
TCH ED 2209 Foundations in Teaching in American Schools (Req. 15 School hours) (3) _______ _______
ED PSY 2212 Learners & Learning in Diverse Cultural Contexts *(PSYCH 1003) (Req. 10 Agency hours) (3) _______ _______
EDUC 1000 Building Community , Culture and Learning in Education (Req. 10 Agency hours) (3) _______ _______
Note: MEP (Missouri Educator Profile) is included in EDUC 1000

Total (98-99)

STOP------DO NOT PASS GO UNTIL YOU HAVE SUCCESSFULLY COMPLETED THE FOLLOWING:
### TEACHER EDUCATION PROGRAM (TEP) ADMISSION REQUIREMENT - [http://coe.umsl.edu/portal/](http://coe.umsl.edu/portal/)

- 2.75 Cumulative GPA
- 3.0 Content GPA
- 3.0 Professional Education GPA
- Missouri Educator Profile (MEP)
- TB Test & Background Check
- Completion of Level I courses
- EDU 1000
- Pass MoGEA (Missouri General Education Assessment)

#### LEVEL II – ANALYZING THE NATURE AND PROCESS OF EDUCATION

Must be admitted to the Teacher Education Program to enroll in the following courses. (12 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>TCH ED 3310 Methods of Teaching with Technology</td>
<td>2</td>
<td></td>
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<tr>
<td>ED TECH 3135 Technology for Educators</td>
<td>1</td>
<td>SPEC ED 3318 Inclusive Classrooms (+20 Agency hours)</td>
</tr>
<tr>
<td>ED PSY 3312 Psy of Lrning, Instr and Assess</td>
<td>3</td>
<td>TCH ED 4391 Literacy for Adol Learners in Content Areas (+20 School Hours)</td>
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<td>(+15 Home Hours)</td>
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#### LEVEL III – SYNTHESIZING THEORY AND PRACTICE IN EDUCATION

Entrance into Level III is based on completion of all coursework in Levels I & II, as well as prerequisite courses required by advanced methods courses. (20 credit hours)

Practicum Courses: Students MUST apply and be admitted to Practicum I through the College of Education Portal website [http://coe.umsl.edu/portal/](http://coe.umsl.edu/portal/) prior to registering for any Practicum Course. Please contact your designated advisor for acceptance inquiries. For technology assistance, including uploading documents, visit the E. Desmond Lee Technology and Learning Center (TLC) 314-516-4800, Marillac Suite 100. For placement/permission number inquiries, contact the Office of Clinical Experience & School Partnerships 314-516-6792.

Chemistry Methods and Practicum I must be taken concurrently the semester before Practicum II. These courses are offered only during the Fall semester.

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<tr>
<td>SEC ED 3240 Curr &amp; Meth of Teaching Physical Science</td>
<td>3</td>
<td>SEC ED 4989 Practicum I: Site Based Experience (3)</td>
</tr>
<tr>
<td>MO Content Assessment ** (mo.nesinc.com)</td>
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<td>Test # Passing Score: Date</td>
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NOTE: This is a course requirement for PI

NOTE: Practicum II and teaching seminar must be taken concurrently and are offered only during the Spring semester.

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<td>SEC ED 4837 Chemistry/Physics Teaching Intern Seminar</td>
<td>2</td>
<td>SEC ED 4990 Practicum II: Site Based Experience (12)</td>
</tr>
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<td>GEOL 1001 General Geology or ATM SCI 1001 Elementary Meteorology or ASTRON 1001 Introductory Astronomy</td>
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<td>BIOL 1821 Introductory Biology II: Organisms and The environment</td>
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ADDITIONAL FOR UNIFIED SCIENCE

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EXAM AND GRADUATION INFORMATION

- Missouri Pre-Service Teacher Assessment (MoPTA) PASS/FAIL
- 2.75 Cumulative GPA 3.0 Professional Education GPA * Grade of C or better required in all Professional Education Courses
- Last 30 hours of coursework must be completed at UM-St. Louis YES/NO

I acknowledge that my advisor and I completely and thoroughly reviewed the information contained herein and I understand all of the degree requirements specified for this degree program.

<table>
<thead>
<tr>
<th>Student’s Signature</th>
<th>Date</th>
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<td>Advisor’s Signature</td>
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<td>Comments</td>
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Contact Information:

Phone: _ Best time to call: ___________________________
Email: ___________________________

7/2015