### CURRICULUM FOR THE
### BACHELOR OF ARTS IN EDUCATION
### SECONDARY EDUCATION – MATH
### 2013-2014

This curriculum reflects course suggestions to fulfill requirements for the Bachelor of Arts in Education at UM-Tupelo. Degree and admission requirements are subject to change. This curriculum may not reflect the requirements of Associate of Arts programs at ICC. Consult your academic advisor for Associate’s degree requirements.

*Coursework to fulfill this requirement is available either at UM-Tupelo or online through UM Online. Secondary Education – Math majors may apply no more than 61 community college credit hours to this degree. For that reason, it is strongly suggested that students complete either the Humanities requirement with UM-Tupelo, ensuring that transfer credit does not exceed 61 hours.

**Freshman/Sophomore courses available at Itawamba Community College**

**Core Curriculum – 46 hours**

**English Composition – 6 hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>ENG 1113, 1123</td>
<td>English Composition I, II</td>
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**Social and Behavioral Sciences – 9 hours**

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<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>PSY 1513</td>
<td>General Psychology I</td>
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<tr>
<td>Choose any two.</td>
<td>History</td>
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**Mathematics and Sciences – 19 hours**

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<th>Course</th>
<th>Description</th>
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<tr>
<td>Choose one of the above.</td>
<td>Physical Science with lab (Physics, Astronomy, or Physical Science II)</td>
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<tr>
<td>Choose any science listed as BIO (except BIO 1613 Nutrition).</td>
<td>Biological Science with lab</td>
</tr>
<tr>
<td>MAT 1313</td>
<td>College Algebra</td>
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<tr>
<td>Choose one of the above.</td>
<td>College Algebra or (Calculus I strongly suggested)</td>
</tr>
<tr>
<td>Choose one of the above.</td>
<td>Science Elective (Chemistry or Physical Science I)</td>
</tr>
<tr>
<td>Choose Statistics, Trigonometry, Calculus, or any science not listed above.</td>
<td>Math or Science elective</td>
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See Back For More Requirements
Humanities and Fine Arts – 12 hours

Literature
______, _______  Choose any two literatures.

Fine Arts
_______  Choose any two 3-hour Art, Music, or Theatre courses

*Humanities
_______  Choose one PHI, MFL, an additional literature, or additional history.

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IMPORTANT NOTES:

A minimum cumulative transfer GPA of 2.5 is required to enter the education coursework, and a core GPA of 2.75 is required to enter Phase II TEP of the Secondary Education program. Please be aware that GPA’s may change after transferring due to differences in calculation methods. It is important to remember that Phase II begins with the second semester for full-time education students.

The University of Mississippi-Tupelo strongly recommends that students provide test scores before transferring and especially if applying for scholarships. Passing scores for the CORE or an appropriate ACT score (composite of at least 21 with no subtest scores lower than 18) or SAT score (860 composite) are required for admission into Phase II TEP and for most Education scholarships. Please the ETS website at [http://www.ets.org](http://www.ets.org) and see your academic counselor for more information.

CORE
Reading—156
Writing—162
Math—150

BACKGROUND CHECKS: All candidates in the School of Education must have a background check performed prior to beginning field experiences. Appointments can be scheduled on the School of Education’s website for the following locations: Tupelo, Desoto County, Oxford, and Grenada. A fee of $40 will be charged to the candidate’s Bursar account. (This is to be paid by the student.) Only one background check is required while in the teacher education program; however, if a candidate is not enrolled at the University of Mississippi for more than one calendar year, a second background check will be required. If a background check reveals a criminal history, the candidate may not be allowed to participate in field experiences, which means he/she will not be able to complete the program.

A maximum of 61 hours of community college credit may be applied toward a Bachelor of Arts in Education - Secondary Education degree at The University of Mississippi.
The University of Mississippi-Tupelo

Junior and Senior Level Curriculum
Secondary Education – Math Education

Junior-level Professional Courses and Junior and Senior-level Content Courses available at The University of Mississippi-Tupelo and Oxford

Content Area – 36 hours

Required Sophomore-Level Coursework at ICC
Two progressions at ICC to reach 12 hours – Choose 1) Calculus I, II, and IV-A or 2) Calculus I-A to IV-A
MAT 1613 Calculus I-A (3 hours) or MAT 1814 Calculus I (4 hours)
MAT 1623 Calculus II-A (3 hours) or MAT 1825 Calculus II (5 hours)
MAT 2613 Calculus III-A (3 hours, if following the Calculus I-A to IV-A progression)
MAT 2623 Calculus IV-A (3 hours)

* Either the Calculus I, II, IV-A progression (12 hours) or the Calculus I-A to IV-A progression (12 hours) must be taken to reach the 12 hours of required Calculus coursework. The progressions may not be mixed. Consult a UM-Tupelo Admissions Counselor for more information.

Junior-Level Courses, Math Education
MATH 301 Discrete Mathematics- Oxford
MATH 305 Foundations of Mathematics- Tupelo
MATH 319 Introduction to Linear Algebra- Oxford
MATH 375 Introduction to Statistical Methods- Tupelo
MATH 390 Techniques in Teaching Secondary Level Mathematics- Oxford
MATH 425 Introduction to Abstract Algebra
MATH 533 Topics in Euclidean Geometry- Tupelo
MATH 540 History of Mathematics- Tupelo

Related Fields at ICC and UM – 6 hours
(ICC) CSC 1213 Basic Computer Programming or CSC 2134 Computer Programming I with “C”
EDCI 557 Computer Concepts and Applications for Educators

*Additional Electives – 6 hours

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<thead>
<tr>
<th>Department</th>
<th>Course Number</th>
<th>Title</th>
<th>Hours</th>
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Professional Education – 32 hours

Junior Year, Math Education – 6 hours
EDCI 352 Education, Society, and the K-12 Learners (Education majors only)
EDSP 308 Introduction to Special Education (Education majors only)

Junior-Level Phase II TEP Math Education – 3 hours
*EDCI 353 Planning and Teaching Strategies for Effective Classroom Practice
*Requires official admission to Phase II of the Teacher Education Program
Junior and Senior-Level Curriculum for Teacher Education – Courses available at UM-Tupelo, contd.

Fall, Senior Year – Phase II TEP Math Education – 6 hours
**EDSE 400  Principles of Education
**EDSE 445  Special Methods I: Mathematics (Oxford)
**Requires completion of EDCI 353 and official admission to Phase II of the Teacher Education Program.

Spring, Senior Year – Phase III TEP Math Education – 15 hours
***EDLE 480  Student Teaching: Secondary Education
***EDCI 419  Effective Classroom Management for Teachers (EDEL 519 will not substitute for this class)
***Requires completion of Block Courses and official admission to Phase III of the TEP.

TOTAL HOURS FOR DEGREE PROGRAM  122 hours

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Admission to Phase II of the Teacher Education Program (TEP)
1. Completion of 45 semester hours in the general core courses
2. GPA of 2.75 or higher on the Core Curriculum
3. Appropriate scores on the CORE, ACT, or SAT
4. Approval by the Teacher Education Committee

Admission to Phase III of the Teacher Education Program (TEP)–Student Teaching
1. Admission to the TEP
2. A minimum grade of “C” in all professional education courses, with the exception of those required during student teaching. If this minimum of “C” is not met, the course(s) must be retaken before enrolling in the next level of professional education courses
3. Completion of 15 hours in residency at The University of Mississippi (includes Tupelo campus)
4. Completion of General Education or Content and Related field classes with a minimum grade of “C.”

General Requirements for Completing the B. A. E. in Elementary Education:

1. At least 122 semester hours
2. At least 30 semester hours of residence credit in School of Education (includes The University of Mississippi-Tupelo)
3. Not more than 33 semester hours of correspondence and extension credit
4. Not more than 61 semester hours of transfer credit from community college to be applied toward the degree

7/15/13