



The University of Mississippi
A Great American Public University

CURRICULUM FOR THE
BACHELOR OF ARTS IN EDUCATION
SECONDARY EDUCATION – MATH
2018-2019

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.

Freshman/Sophomore courses available at Itawamba Community College

Core Curriculum – 45 hours

English Composition – 6 hours

_____, _____ ENG 1113, 1123 *English Composition I, II*

Social and Behavioral Sciences – 9 hours

_____ PSY 1513 *General Psychology I*

_____, _____ History – Choose any two.

Mathematics and Sciences – 18 hours

Physical Science with lab (Physics, Astronomy, or Physical Science II)

_____ *Choose one of the above.*

Biological Science with lab

_____ *Choose any science listed as BIO (except BIO 1613 Nutrition).*

College Algebra or (**Calculus I strongly suggested**)

_____ MAT 1313 *College Algebra*

Science Elective (Chemistry or Physical Science I)

_____ *Choose one of the above.*

Math or Science elective

_____ *Choose Statistics, Trigonometry, Calculus, or any science not listed above.*

*Secondary Education – Math majors may apply no more than 61 community college credit hours to this degree.

See Back For More Requirements>>>>>>>>

Freshman and Sophomore-Level Curriculum - Courses available from ICC, continued

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.*

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 PRAXIS or an appropriate ACT score (composite of at least 21) or SAT score (990 composite) are required for admission into Phase II TEP and for most Education scholarships. Please the ETS website at <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. Background checks must be completed through the link provided on the School of Education's website. A fee of \$40 will 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- Tupelo
MATH 305	Foundations of Mathematics- Tupelo
MATH 319	Introduction to Linear Algebra- Tupelo
MATH 375	Introduction to Statistical Methods- Tupelo
MATH 390	Techniques in Teaching Secondary Level Mathematics- Oxford
MATH 425	Introduction to Abstract Algebra- Oxford
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 (Oxford)

***Additional Electives – 6 hours**

<i>Department</i>	<i>Course Number</i>	<i>Title</i>	<i>Hours</i>
_____	_____	_____	_____
_____	_____	_____	_____

***Secondary Education – Math majors may apply no more than 61 community college credit hours to this degree.**

Professional Education – 32 hours

Junior Year, Math Education – 6 hours

EDCI 352	Education, Society, and the K-12 Learners (<i>Education majors only</i>)
EDSP 308	Introduction to Special Education (<i>Education majors only</i>)

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**

See Back For More Requirements>>>>>>>>

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 (Oxford)

**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

IMPORTANT NOTES:

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 PRAXIS, ACT, or SAT*
4. *Admission to the TEP*

Admission to Phase III of the Teacher Education Program (TEP)–Student Teaching

1. *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*
2. *Completion of 15 hours in residency at The University of Mississippi (includes Tupelo campus)*
3. *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**