



The University of Mississippi  
at Tupelo

**CURRICULUM FOR TEACHER EDUCATION  
SCHOOL OF EDUCATION  
Mathematics Education  
2014-2015**

**This curriculum is offered for the student working toward an Associate of Science degree in General Studies from Bevill State Community College who intends to continue studies toward the Bachelor of Arts degree in Education with The University of Mississippi.**

*Freshman/Sophomore courses available at Bevill State Community College*

**Core Curriculum**

<b>First Year Writing/English Composition- WRIT 101/102 (ENGL 101/102)</b>		<b>6 hours</b>
<i>Bevill State-</i>	<i>ENG 101</i>	<i>English Composition I</i>
	<i>ENG 102</i>	<i>English Composition II</i>
<b>Social and Behavioral Sciences (9 hours)</b>		
<b>General Psychology I</b>		<b>3 hours</b>
<i>Bevill State-</i>	<i>PSY 200</i>	<i>General Psychology I</i>
<b>History</b>		<b>6 hours</b>
<i>Bevill State-</i>	<i>HIS 121</i>	<i>Survey Of World Civilization I</i>
	<i>HIS 120</i>	<i>Survey of World Civilization II</i>
	<i>HIS 201</i>	<i>Survey of the United States to 1877</i>
	<i>HIS 202</i>	<i>Survey of the United States since 1877</i>
<b>Mathematics and Sciences (15 hours)</b>		
<b>MATH 121 College Algebra or more advanced</b>		<b>3 hours</b>
<i>Bevill State-</i>	<i>MTH 112</i>	<i>Precalculus Algebra</i>
	<i>MTH 120</i>	<i>Calculus and it's Applications</i>
	<i>MTH 125</i>	<i>Calculus I</i>
<b>Physical Science with laboratory (Physics, Astronomy, or Physical Science II)</b>		<b>4 hours</b>
<i>Bevill State-</i>	<i>AST 220</i>	<i>Astronomy and Astronomy Lab</i>
	<i>PHY 201</i>	<i>General Physics I</i>
	<i>PHY 202</i>	<i>General Physics II</i>
<b>Biological Science with laboratory</b>		<b>4 hours</b>
<i>Bevill State-</i>	<i>BIO 103</i>	<i>Principles of Biology I</i>
	<i>BIO 104</i>	<i>Principles of Biology II</i>
	<i>BIO 201</i>	<i>Human A &amp; P I</i>
	<i>BIO 202</i>	<i>Human A &amp; P II</i>

<b>Science Elective (Geology, Chemistry, or Physical Science I)</b>	<b>4 hours</b>
<i>Bevill State- CHM 104 Introduction to Inorganic Chemistry</i>	
<i>CHM 105 Introduction to Organic Chemistry</i>	
<i>CHM 111 College Chemistry I</i>	
<i>CHM 112 College Chemistry II</i>	
<i>PHY 120 Introduction to Physics</i>	
<i>PHS 111 Physical Science I</i>	

**Humanities and Fine Arts (15 hours)**

**American, English, or World Literature 6 hours**

<i>Bevill State- ENG 251 American Literature I</i>	
<i>ENG 252 American Literature II</i>	
<i>ENG 261 British Literature I</i>	
<i>ENG 262 British Literature II</i>	
<i>ENG 271 World Literature I</i>	
<i>ENG 272 World Literature II</i>	

**Fine Arts -- fine arts history and/or appreciation of art, music, or theater 3 hours**

<i>Bevill State- ART 100, 103, 203 Art Appreciation</i>	
<i>MUS 101 Music Appreciation</i>	
<i>THR 120 Theater Appreciation</i>	

**Humanities – Social Studies majors should select an additional history 3 hours**

<i>Bevill State HIS 121, 122, 201, 202</i>	
<i>ENG 251, 252, 261, 262, 271, 272</i>	
<i>SPA 101, 102, 201, 202</i>	
<i>PHL 106, 206, REL 151, 152</i>	

**Content Area--Required Lower Division Courses - 12 hours**

MATH 261 Calculus I (with minimum grade of “C”)	3 hours
MATH 262 Calculus II (with minimum grade of “C”)	3 hours
MATH 263 Calculus III (with minimum grade of “C”)	3 hours
MATH 264 Calculus IV (available online after transfer to UM-Tupelo)	3 hours
<i>Bevill State- MTH 125 Calculus I (4 hours)</i>	
<i>Bevill State- MTH 126 Calculus II (4 hours)</i>	
<i>Bevill State- MTH 227 Calculus III (4 hours)</i>	

**Lower Division Related Field - 3 hours**

CSCI 111 Computer Programming I	3 hours
<i>Bevill State- To be determined</i>	

\*\* Students may use content area courses to satisfy core requirements and may take extra hours of electives.

**IMPORTANT NOTES**

**REGARDING UNIVERSITY PARALLEL TRANSFER CREDITS:** Please know that there are other transferrable courses from Southwest Tennessee Community College that will satisfy some of the requirements above. These particular courses are recommended so that a student might complete an AS degree through Southwest with courses that will fulfill Southwest’s General Education Program as well as transfer to The University of Mississippi.

**REGARDING REQUIRED TEST SCORES:** 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 I PPST (Reading – 172 Writing – 173 Math – 172) or an appropriate ACT score (at least 21 composite with no subtest scores lower than 18) or SAT score (860 composite) are required for admission into the Teacher Education Program (TEP) and for most Education scholarships. Please visit the Praxis website at <http://www.ets.org/praxis> and see your academic counselor for more information.

# Junior and Senior Level Curriculum Secondary Education – Mathematics Education

**Junior level Professional Courses and Senior level Content Courses  
available from The University of Mississippi-Tupelo**

**Content Area–Required Upper Division - 24 hours**

MATH 301	Discrete Mathematics (prerequisite is Math 261: Unified Calculus & Analytic Geometry I*)	3 hours
MATH 305	Foundations of Mathematics (prerequisite is Math 262: Unified Calculus & Analytic Geometry II*)	3 hours
MATH 319	Introduction to Linear Algebra (prerequisite is Math 262: Unified Calculus & Analytic Geometry II*)	3 hours
MATH 375	Introduction to Statistical Methods (prerequisite is Math 261: Unified Calculus & Analytic Geometry I*)	3 hours
MATH 390	Techniques in Teaching Secondary Level Mathematics (TEP Mathematics Ed. majors only)	3 hours
MATH 425	Introduction to Abstract Algebra (prerequisite is Math 263: Unified Calculus & Analytic Geometry III*) (available in Oxford after transfer)	3 hours
MATH 533	Topics in Euclidean Geometry (prerequisite is Math 305: Foundations of Mathematics*)	3 hours
MATH 540	History of Mathematics (prerequisite is Math 305: Foundations of Mathematics*)	3 hours

*\*All prerequisite courses require a minimum grade of “C.”*

**Upper Division Related Field - 3 hours**

EDCI 557	Computers in Education <i>(a “C” grade or higher is required for related fields)</i>	3 hours
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**Electives – 12 hours**

**(Students who use content classes to satisfy core courses may need more to assure 122 semester hour graduation requirement)**

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

## Professional Education

**Background Checks.** All candidates in the School of Education must have a background check performed prior to beginning field experiences. Students may go to [http://education.olemiss.edu/safe/background\\_check.html](http://education.olemiss.edu/safe/background_check.html) to begin the background check process. A fee of \$40 will be charged to the candidate. 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.

### Admission to Phase I of the Teacher Education Program (TEP)

Candidates can enter Phase I: Core Curriculum as an incoming freshman or by transferring with a minimum 2.5 GPA. Criteria for admission into phases two and three are described below.

### Junior Level Phase I TEP Elementary Education Courses and Required Field Experiences (some Day Schedule)

EDCI 352	Education, Society, and the K-12 Learners (25 hours field experience)	3 hours
EDSP 308	Introduction to Special Education	3 hours

### Admission to Phase II of the Teacher Education Program (TEP)

1. Completion of Core curriculum and EDCI 352.
2. GPA of 2.75 or higher.
3. Appropriate scores on Praxis I, SAT, or ACT scores.
4. Must maintain a "C" or better in all professional education and general education courses.
5. EDCI 352 must be completed with a "C" or better to enroll in EDCI 353.

### Junior Level Phase II TEP Elementary Education Courses and Required Field Experiences (some Day Schedule)

*EDCI 353	Effective Classroom Practice (30 hours field experience)	3 hours
*EDSP 327	Nature and Needs with Mild/Moderate Disability (field experience TBA)	3 hours

**\*Requires official admission to Phase II of the Teacher Education Program**

### Fall, Senior Year – Phase II TEP Mathematics Education – Oxford Campus and Field Experience (Day Schedule)

**Candidates in secondary education are required to complete 40 hours of field experience this semester**

**EDSE 400	Principles of Education (40 hours field experience)	3 hours
**EDSE 445	Special Methods I: Mathematics (Oxford Campus)	3 hours

**\*\*Requires completion of EDCI 353 and official admission to Phase II of the Teacher Education Program.**

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

1. Admission to Phase II: Professional Education Track
2. A minimum grade of "C" in professional education courses. 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 all courses in the teaching field with a minimum grade of "C".
4. Completion of 15 hours in residency at the University of Mississippi (includes Tupelo & Desoto campuses)
5. Completion of courses taken by correspondence for admission to student teaching. The grade must be on file prior to admissions.
6. Evidence of professional liability insurance

### Spring, Senior Year - Phase III TEP Mathematics Education

***EDLE 480	Student Teaching: Secondary Education	9 hours
***EDCI 419	Introduction to Classroom Management and Assessment Practices (EDEL 519 will not substitute for this class)	3 hours

**\*\*\*Requires completion of EDSE 400 and EDSE 445 and official admission to Phase III of the TEP.**

### General Requirements for Completing the B. A. E. in Mathematics 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, Desoto, Booneville, and Grenada)
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.