



Northwest Mississippi
Community College



The University of Mississippi
A Great American Public University

CORE CURRICULUM FOR TEACHER EDUCATION
SCHOOL OF EDUCATION
Secondary Education - Mathematics Education
2009-2010

This curriculum is offered for the student working toward an Associate of Arts degree from Northwest Mississippi 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 Northwest Mississippi Community College - DeSoto Center

Core Curriculum - 45-47 hours

English Composition (6 hours)

Northwest- ENG 1113 and ENG 1123

6 hours

Social and Behavioral Sciences (9 hours)

General Psychology I

Northwest- PSY 1513 General Psychology I

3 hours

History (U.S., European, and/or Western Civ. 101, 102, 105, 106 preferred)

Northwest- HIS 1113, HIS 1123, HIS 2213, HIS 2223

6 hours

Mathematics and Natural Sciences (15 hours)

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

Northwest- PHY 2252 & 2251 or PHY 2253 & 2251

*3-4 hours

Biological Science with laboratory

Northwest- BIO 1113 & 1111, BIO 1123 & 1121, BIO 1133 & 1131,

BIO 1143 & 1141, BIO 1213 & BIO 1211, BIO 1513 & 1511,

BIO 1523 & 1521, BIO 2414 & 2410, BIO 2424 & 2420, BIO 2924 & 2920

*3-4 hours

College Algebra or more advanced mathematics course

Northwest- MAT 1313 College Algebra, MAT 1613 Calculus I

3 hours

May not include: MAT 100 (Northwest-Math 1213 College Mathematics or Math 1233 Intermediate Algebra)

MAT 115 (Northwest-Math 2323 Elementary Statistics)

MAT 245 (Northwest-Math 1723 Real Number System)

MAT 246 (Northwest-Math 1733 Geometry, Measurement & Probability)

Science Elective (Geology, Chemistry, or Physical Science I)

Northwest- CHE 1213, CHE 1223, CHE 1313, CHE 1323,

PHY 2243)

*3 hours

Freshman and Sophomore Level Curriculum Courses available from NWCC, continued

Mathematics and Sciences, continued

Mathematics or Natural Science Elective *3 hours
(**may** include Math 115 Elementary Statistics or higher, a 3-hour natural science lecture course without a lab, or a 2-hour lecture class with a lab)
Northwest- MAT 1323, MAT 1513, MAT 1613, MAT 1623, MAT 2323, BIO 1113, BIO 1123, BIO 1133, BIO 1143, BIO 1213, BIO 1513, BIO 1523, CHE 1213, CHE 1223, CHE 1313, CHE 1323, PHY 2243, PHY 2253

*May not include: MAT 100 (Northwest-Math 1213 College Mathematics or Math 1233 Intermediate Algebra)
MAT 245 (Northwest-Math 1723 Real Number System)
MAT 246 (Northwest-Math 1733 Geometry, Measurement & Probability)

Humanities and Fine Arts (15 hours)

English or American Literature 3 hours
Northwest- ENG 2323, ENG 2333, ENG 2223, ENG 2233

Any literature 3 hours
Northwest- ENG 2323, ENG 2333, ENG 2223, ENG 2233

Fine Arts -- fine arts history and/or appreciation of art, music, or theatre 3 hours
Northwest- ART 1113, MUS 1113, SPT 1213, SPT 2233

Fine Arts Elective (any art, dance, music, or theatre except speech) 3 hours

Humanities -- to be selected from courses in African-American Studies, Classics, Gender Studies, History, Linguistics, Literature, Modern Languages, Philosophy, Religion, or Southern Studies 3 hours
*Northwest- HIS 1113, HIS 1123, HIS 2213, HIS 2223
Northwest- ENG 2323, ENG 2333, ENG 2223, ENG 2233, ENG 2613
Northwest- MFL 1213, MFL 1223, MFL 2213, MFL 2223
Northwest- HUM 1113, PHI 1113, PHI 1133, PHI 2113, PHI 2143, PHI 2713*

Content Area--Required Lower Division Courses - 12 hours

MATH 261 Calculus I 3 hours
Northwest- Math 1613

MATH 262 Calculus II 3 hours
Northwest- Math 1623

MATH 263 Calculus III 3 hours
Northwest- Math 2613

MATH 264 Calculus IV 3 hours
Northwest- Math 2623

Lower Division Related Field - 3 hours

CSCI 111 Computer Programming I 3 hours
Northwest- CSC 1613 (JAVA I)

*SPT 1113 Public Speaking is required for Northwest Mississippi Community College graduation but is not required for the University of Mississippi curriculum. It may be used as three hours of elective credit.

**Students who began their freshman year in Fall 2007 or later may apply not more than 61 semester hours of community college credit to this degree and should select electives wisely. Students who use content area courses to satisfy core requirements will need extra hours of electives.

IMPORTANT NOTE: The University of Mississippi-DeSoto Center strongly recommends that students provide test scores before transferring and especially if applying for scholarships. Passing scores for the Praxis I PPST (Reading – 170 Writing – 172 Math – 169) 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.

Professional Education

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

EDCI 352	Education, Society, and the K-12 Learners (<i>Education majors only. 25 hours field experience</i>)	3 hours
EDSP 308	Introduction to Special Education (<i>Education majors only</i>)	3 hours

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

1. *Completion of 45 semester hours. At least 42 of the 45 must be in the Core Curriculum. The remaining 3 hours, if any, must be in the General Education (Elementary and Special Education majors) and Content Courses (Secondary majors).*
2. *GPA of 2.50 or higher on the Core Curriculum and overall GPA of 2.50 or higher. (GPA of 2.75 on Core Curriculum in effect for students beginning Freshman year in Fall 2006 or later and for all Teacher Education Program candidates by Fall 2008)*
3. *Appropriate scores on Praxis I, SAT, or ACT scores.*
4. *Formal application for admission to Teacher Education filed in Office of the Dean by deadline.*
5. *Approval by the Admissions Committee of the School of Education.*

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

*EDCI 353	Effective Classroom Practice (<i>30 hours field experience</i>)	3 hours
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**Requires official admission to Phase II of the Teacher Education Program*

Fall, Senior Year - Phase II TEP Math Education - Oxford Campus and Field Experience (Day Schedule)

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

**EDSE 400	Principles of Education	3 hours
**EDSE 445	Special Methods I: Mathematics	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. *All Core courses must be completed before Student Teaching.*
2. *All professional education courses, with the exception of those required during student teaching, must be completed with a minimum grade of C before Student Teaching.*
3. *Students must have completed or be within two courses of completion of the courses in the teaching field with a minimum grade of “C” to be admitted to Student Teaching.*

Spring, Senior Year - Phase III TEP - Mathematics Education (Day Schedule)

***EDLE 485	Student Teaching: Mathematics	12 hours
***EDCI 419	Classroom Management (<i>EDEL 519 will not substitute for this class</i>)	3 hours

****Requires completion of Block Courses 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 - DeSoto Center)*
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.*