

Bachelor of Arts - Mathematics Education

This curriculum is for the student working toward an Associate of Arts degree from Itawamba Community College who intends to continue studies toward the Bachelor of Arts - Mathematics Education with the University of Mississippi.

ITAWAMBA COMMUNITY COLLEGE

CORE CURRICULUM

COURSE	DESCRIPTION	GRD	HRS
FIRST YEAR WRITING			6
ENG 1113	English Composition I		
ENG 1123	English Composition II		
SOCIAL & BEHAVIORAL SCIENCE			12
PSYCHOLOGY (3)			
PSY 1513	General Psychology		
HISTORY (6)			
HIS 1113	Western Civilization I		
HIS 2213	American History I		
MATH & SCIENCE			18
MATHEMATICS (3)			
MAT 1313	College Algebra (or higher)		
PHYSICAL SCIENCE WITH LAB (4)			
CHE 1214	General Chemistry I		
CHE 2424	Organic Chemistry I		
PHY 2244	Physical Science I		
PHY 2254	Physical Science II		
PHY 2414	General Physics I		
PHY 1114	Intro. To Astronomy		
BIOLOGICAL SCIENCE WITH LAB (4)			
BIO 1114	Principles of Biology I		
BIO 1124	Principles of Biology II		
BIO 1134	General Biology I		
BIO 1144	General Biology II		
BIO 1534	Survey of Anatomy & Physiology		
BIO 2514	Anatomy & Physiology I		
BIO 2524	Anatomy & Physiology II		
BIO 2924	Microbiology		
ELECTIVE SCIENCE WITH LAB (4)			
<i>select one laboratory science not previously taken</i>			
ELECTIVE SCIENCE OR MATH (3/4)			
<i>select one laboratory science or math not previously taken</i>			

HUMANITIES & FINE ARTS			12
LITERATURE (6)			
ENG 2223	American Literature I		
ENG 2233	American Literature II		
ENG 2323	British Literature I		
ENG 2333	British Literature II		
ENG 2423	World Literature I		
ENG 2433	World Literature II		
FINE ARTS (3)			
ART 1113	Art Appreciation		
ART 2713	Art History I		
ART 2723	Art History II		
MUS 1113	Music Appreciation		
SPT 2233	Theatre Appreciation		
HUMANITIES ELECTIVE (3)			
<i>Any History, Philosophy, Literature, or HUM 1113 Humanities.</i>			

GPA Requirements: Core Curriculum 2.75 +, Overall 2.50 +

RELATED AREA

COURSE	DESCRIPTION	GRD	HRS
CSC 2134	Programming I with C++		

MAJOR REQUIREMENTS

COURSE	DESCRIPTION	HRS	GRD
MAT 1613	Calculus I		
MAT 1623	Calculus II		
MAT 2613	Calculus III		
MAT 2623	Calculus IV		

A maximum of 61 hours of transfer credit may be applied.

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Required for Phase II Admission (Second Semester Junior Year):
 Praxis Core Academic Skills for Educators (CORE) (Reading: 156,
 Writing: 162, Math: 130) **OR** ACT score of at least 21 composite
OR a cumulative GPA of 3.0 or higher on a minimum of 60 hours
 of completed coursework



Fall 2022 through Summer 2023	B.A. in Mathematics Education	MINIMUM TOTAL CREDIT HOURS: 122
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UNIVERSITY CORE CURRICULUM REQUIREMENTS (42-45 HOURS)	MAJOR REQUIREMENTS FOR CONTENT AREA (36 HOURS)	PROFESSIONAL EDUCATION REQUIREMENTS (30 HOURS)
First Year Writing (6 hours)	MATH 261 Calculus I	*EDSP 308 Intro to Special Ed
WRIT 101 or HON 101	MATH 262 Calculus II	*EDCI 352 Education, Society & the K-12 Learner ♦
WRIT 102 or HON 102 or LIBA 102	MATH 263 Calculus III	EDSP 327 Classroom Mgt & Beh. Inter.
Social/Behavioral Science (9 hours)	MATH 264 Calculus IV	**EDCI 353 Effec. Class Prac ♦
PSY 201	MATH 301 Discrete	EDSE 557 Computer Concepts & Applications for Educators
HST (100 level suggested)	MATH 305 Foundations	**EDSE 400 Principles of Education ♦
HST (100 level suggested)	MATH 319 Linear Algebra	**EDSE 442 Spec Meth I English
Math/Science (15 - 18 hours)	MATH 375 Introduction to Statistical Methods	***EDCI 419 Classroom Assessment
MATH 121 - College Algebra or higher (<i>not to include Math 245 or 246</i>)	MATH 390 Techniques in Teaching Secondary Level Math	***EDLE 480 Student Teaching: Mathematics ♦
Physical Science w/lab (ASTR103, ASTR 104, CHEM 105/115, GEOL 101/111, GEOL 102/112, GEOL 104/114, GEOL 105/115, PHYS107, PHYS 108, PHYS 211/212, PHYS 213/223)	MATH 353, 454, 459, OR 525 (all courses are various levels of differential equations)	
Biological Science w/ lab (BISC 102/103 suggested)	MATH 533 Topics in Euclidean Geometry	
Science Elective (lab not required) (ASTR 101, ASTR103, ASTR 104, CHEM 105, GEOL 101, GEOL 102, GEOL 104, GEOL 105, PHYS107, PHYS 108, PHYS 211, PHYS 213)	MATH 540 History of Mathematics	
Math or Science Elective (<i>not to include Math 245 or 246</i>)		ELECTIVES (6 HOURS # of hours required may vary)
Humanities/Fine Arts (12 hours)		
ENG LIT (ENG 221, 222, 223, 224, 225, 226)		
ENG LIT (ENG 221, 222, 223, 224, 225, 226)		
Fine Arts (AH 101, 102, 201, 202; DANC 200; MUS 102, 103, 104; THEA 201)		
Humanities Elective (Suggested: AAS, CLC, ENG, GST, HON, HST, LING, PHIL, REL, SST, ARAB, CHIN, FR, GERM, GR, KOR, ITAL, JAPN, LAT, PORT, RUSS, SPAN, SWA)		
RELATED AREA (3 HOURS)	EXPERIENTIAL LEARNING	SPECIAL EDUCATION ENDORSEMENT (OPTIONAL) (12 hours each to receive the endorsement)
CSCI 111 Computer Science I	(Ex: Study Abroad, Internship)	EDSP 308
	♦ Denotes all courses that contain experiential learning experiences.	EDSP 327
		EDSP 407 (NOT part of the 122 hours)
		EDSP 410 (NOT part of the 122 hours)

SAMPLE DEGREE MAP
BACHELOR OF ARTS IN MATH EDUCATION (EFFECTIVE 2019 - 122 CREDIT HOURS)

YEAR	FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
FRESHMAN	Writ 101	3	Writ 102 or LIBA 102	3
	HST100 level	3	HST100 level	3
	MATH 261	3	PSY 201	3
	BISC 102/103	4	PHY Sci w/ lab	4
	Humanities	3	MATH 262	3
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	16
SOPHOMORE	LIT 200 (ENG 221-226)	3	MATH 264	3
	Math 263	3	LIT 200 (ENG 221-226)	3
	Sci Elective	3	Math 305	3
	Fine Art	3	Math 319	3
	MATH 301	3	CSCI 111	3
	MATH/SCI elective	3		
TOTAL CREDIT HOURS	18	TOTAL CREDIT HOURS	15	
JUNIOR	*EDSP 308 Intro to Special Education	3	EDSP 327 Classroom & Behavior Management	3
	*EDCI 352 Education, Society & the K-12 Learner	2	**EDCI 353 Effec. Class Prac	3
	Elective	3	EDSE 557 Comp. Con. and App. for Educators	3
	Math 390	3	MATH 375	3
	Math 353	3	Elective	3
	Elective	3		
TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	15	
SENIOR	**EDSE 400 Principles of Education	3	***EDCI 419 Classroom Assessment	3
	EDSE 445 Spec Methods 1 Math	3	*EDLE 480 Student Teaching: Math	9
	MATH 533	3		
	MATH 540	3		
	ELECTIVE	3		
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	12	

INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS

NOTE: *Denotes Phase 1 education courses; **Denotes admission to Phase II required; ***Denotes admission to Phase III required; ♦Denotes all courses that contain experiential learning experiences.

DEGREE REQUIREMENTS:

1. At least **122** semester hours
2. At least **30** semester hours or residence credit in the School
3. Not more than **61** semester hours of credit from a community transfer college
4. No more than **6** of the last **21** hours may be transfer credit

Teacher Education Program Admission to Phase II:

1. Completion of core curriculum and Phase I Education Courses
2. Min. GPA of 2.75 on Core
3. Appropriate Praxis Core, SAT, or ACT scores
4. Must complete education courses with a "C" or better to move forward.

Refer to the Undergraduate Academic Regulations section in this catalog for all university degree requirements.