

# **BACHELOR OF SCIENCE MATHEMATICS EDUCATION**

The Bachelor of Science in Mathematics Education program is a Council for the Accreditation for Educators Preparation (CAEP) nationally recognized program that grants initial certification as a secondary mathematics teacher. Students who earn the BSED degree are also prepared to enter graduate programs in mathematics based programs having completed upper level mathematics courses equivalent to a Bachelor of Science degree in mathematics. To receive the BSED degree, a student must be admitted to the Teacher Education Program which is sought through the College of Education, and Human Development.

*College of  
Science,  
Engineering,  
and Technology*



## COURSE TYPE DESCRIPTIONS

General Education Core	GEC	<b>General Education Core (GEC)</b> courses are courses that every student must take in order to obtain a degree from Jackson State University. GEC courses are essential to every undergraduate degree at Jackson State University. Collectively, there are 30 credit hours of GEC course requirements.
General Education Pathway	PATH	<b>General Education Pathway (PATH)</b> courses are courses that are connected through interdisciplinary themes and are selected at the student's discretion to fulfill the general education curriculum. Through experiential learning and reflective writing, students will have the opportunity to integrate knowledge across courses, develop their skills and an enhanced sense of civic responsibility. Students select nine (9) hours from the pathway of choice. Each pathway concludes with a related one (1) credit hour a University Required (UR) course.
University Required	UR	<b>University Required (UR)</b> courses are courses that are specific to Jackson State University and are designed to integrate students within the Jackson State University community by promoting student success resources, strategies and high impact practices.
Degree Program Requirement	DPR	<b>Degree Program Required (DPR)</b> courses are courses that are required for completion of a degree program within the specified major.
Electives	DPE or GEL	<b>Electives</b> are courses selected at a student's discretion and provide opportunities for students to pursue their academic interests. There are two types of electives. <b>Degree Program Elective (DPE)</b> courses are elective courses that are partially restricted such that students select courses from a specified group of identified courses (e.g., departmental elective courses) to fulfill a particular requirement. <b>General Elective (GEL)</b> courses are courses that may be selected from any program for which the student has fulfilled the proper prerequisites.
Professional Concentrations	PC	<b>Professional Concentration (PC)</b> courses complement Degree Program Required courses and allow students to have a concentrated area of study within the major.

Student Name: \_\_\_\_\_

J-Number: \_\_\_\_\_

Advisor: \_\_\_\_\_

**SCIENCE, ENGINEERING, AND TECHNOLOGY****MATHEMATICS EDUCATION**

Entering Term: \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

Pathway: \_\_\_\_\_

**FRESHMAN YEAR FALL 1ST SEMESTER (Begin PRAXIS Core Workshop)**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
MATH 241	Calculus I with Laboratory	3	GEC		
ENG 104	Composition I	3	GEC		
	Natural Science Option	3	GEC		
UNIV 100	University Success	2	UR		
	Humanities & Fine Arts Option	3	GEC		
	Social & Behavioral Science Option	3	GEC		
	TOTAL CREDIT HOURS	17	TERM GPA:		

Comments: \_\_\_\_\_

**FRESHMAN YEAR SPRING 2nd SEMESTER**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
MATH 242	Calculus II with Laboratory	3	DPR		
ENG 105	Composition II	3	GEC		
	Humanities & Fine Arts Option	3	GEC		
	General Elective	3	GEL		
	Pathway Option	3	PATH		
	TOTAL CREDIT HOURS	15	TERM GPA:		

ACT: 21 \_\_\_\_\_ PRAXIS Core \_\_\_\_\_ Reading (5712) \_\_\_\_\_ Writing (5722) \_\_\_\_\_ Math (5732) \_\_\_\_\_

Comments: \_\_\_\_\_

**SOPHOMORE YEAR FALL 1ST SEMESTER (Register for Praxis Core Workshops and Exams)**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
MATH 243	Calculus III with Laboratory	3	DPR		
EDCI 100	Introduction to Education	3	DPR		
	Social & Behavioral Science Option	3	GEC		
	Humanities & Fine Arts Option	3	GEC		
	Pathway Option	3	PATH		
	TOTAL CREDIT HOURS	15	TERM GPA:		

Comments: \_\_\_\_\_

**SOPHOMORE YEAR SPRING 2ND SEMESTER**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
MATH 244	Calculus IV with Laboratory	3	DPR		
MATH 303 (W)	Set Theory & Logic	3	DPR		
SPED 311	Exceptional Child & Youth in School	3	DPR		
UNIV 200	Civic Engagement	1	UR		
	General Elective	3	GEL		
	Pathway Option	3	PATH		
	TOTAL CREDIT HOURS	16	TERM GPA:		

Comments: \_\_\_\_\_

### JUNIOR YEAR FALL 1ST SEMESTER (Begin PRAXIS PLT Workshop)

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
MATH 368	Differential Equations	3	DPR		
MATH 399	Problem Solving For Teachers	3	DPR		
MATH 311 (W)	Abstract Algebra	3	DPR		
EDCI 301	Classroom Management & Effective Learning Environments	3	DPR		
PHY 201 & LAB OR PHY 211 & LAB	Basic Physics I & Lab or General Physics I & Lab	4	GEC		
	TOTAL CREDIT HOURS	16	TERM GPA:		

PRAXIS Core Passed: YES \_\_\_ NO \_\_\_ Praxis II Content Exam \_\_\_\_\_ PLT(5624) \_\_\_\_\_

Comments:

### JUNIOR YEAR SPRING 2ND SEMESTER (Register for Praxis II Content Exam and Praxis PLT)

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
MATH 331	Linear Algebra & Matrix Theory	3	DPR		
MATH 321 (W)	Modern Geometry	3	DPR		
MATH 355	Probability & Statistics	3	DPR		
ETEC 367	Introduction to Assessment, Measurement and Evaluation	3	DPR		
MATH 493(W)	History of Mathematics	3	DPR		
	TOTAL CREDIT HOURS	15	TERM GPA:		

Comments:

### SENIOR YEAR FALL 1ST SEMESTER (Clinical I)

Content Area Methods Course is to be taken in conjunction with EDCI 401. There will be a common 40 60 hour clinical placement/experience coordinated by the EDCI 401 Instructor.

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
MATH 402(W)	Math in the Secondary Schools	3	DPR		
MATH 403S	Mathematics Seminar	3	DPR		
RE 310	Teaching Reading in Content Areas	3	DPR		
EDCI 401 (RC)	Unit Planning, Assessment, & Classroom Management (Requires full admission to Teacher Education)	3	DPR		
	Mathematics Elective	3	DPE		
	Mathematics Elective	3	DPE		
	TOTAL CREDIT HOURS	18	TERM GPA:		

Admission to Student Teaching \_\_\_\_\_

Comments

### SENIOR YEAR SPRING 2ND SEMESTER (Clinical II)

Candidates must complete a minimum of 60 days of student teaching at assigned site.

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
EDCI 402 ®	Clinical Internship in Student Teaching	12	DPR		
	TOTAL CREDIT HOURS	12	TERM GPA:		

Comments:

TOTAL HOURS: 124 REQUIRED

\*Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100: University Success: however, the student must take 2 hours of general electives to replace the UNIV course.

® Restricted course that requires full admission to Teacher Education before enrollment.

Student Signature: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_