

**Program Map: BSED Middle Grades Education (4-8)
Mathematics and Science Concentrations (120 credits)
College of Education**

Name:
Start Date:

SID:
Catalog Date:

Advisor:
Expected Graduation Date:

Freshman	Fall Courses			Spring Courses			Notes
	Course	Name	Hours	Course	Name	Hours	
	Area A ENGL 1101	Composition I Pre-requisite: None	3	Area A ENGL 1102	Composition II Pre-requisite: ENGL 1101	3	
Area A MATH 1111*	College Algebra or test score Pre-requisite: None	3	CISM/CSCI 1130*	Computer Applications Pre-requisite: None	3		
Area B HUMN 1201	Critical Thinking & Communication Pre-requisite: None	3	Area E PSYC 2103	Human Growth and Development Pre-requisite: None	3		
Area E POLS 1101	American Government Pre-requisite: None	3	Area F EDUC 2100	Reading and Writing Strategies Pre-requisite: None	3		
Area F EDUC 2000	Technology in Teaching & Learning Pre-requisite: None	3	Area F EDUC 2110	Investigating Critical & Contemporary Issues in Education Pre-requisite: None	3		
Area F EDUC 1103	FYE for Future Educators Pre-requisite: None	2					
Fall Milestones		Total	Spring Milestones		Total		
		17			15		

Sophomore	Fall Courses			Spring Courses			Notes
	Course	Name	Hours	Course	Name	Hours	
	Area C	Elective Pre-requisite: None	3	AFRS 1501	Survey African American Exp. Pre-requisite: None	2	
Area D	Natural Sciences, Math, & Tech Pre-requisite: None	4	Area C	Elective Pre-requisite: None	3		
HIST 2111 or HIST 2112	Area E Elective Pre-requisite: None	3	Area D	Natural Sciences, Math, & Tech Pre-requisite: Varies	4		
Area F EDUC 2120	Exploring Socio-Cultural Influences in Teaching & Learning Pre-requisite: None	3	Area E	Elective Pre-requisite: None	3		
MGED 2140	Teaching Adolescent Learners in Middle Grades Pre-requisite: None	3	Area F EDUC 2130	Exploring Teaching and Learning Pre-requisite: None	3		
Fall Milestones		Total	Spring Milestones		Total		
		16		Retake GACE Program Admission Exams, if needed.	15		

Junior	Fall Courses			Spring Courses			Notes
	Course	Name	Hours	Course	Name	Hours	
	EDUC 3030	Teaching Exceptional Learners Pre-requisite: Admission to TEP	3	EDUC 3200	Curriculum & Assessment Pre-requisite: Admission to TEP	3	
MGED 3010	Number Theory in Middle Grades Education Pre-requisite: None	3	MGED 3012	Data Analysis, Probability & Statistics, in Middle Grades Education Pre-requisite: None	3		
MGED 3011	Measurement and Geometry Concepts in Middle Grades Education Pre-requisite: None	3	MGED 3013	Algebraic Concepts in Middle Grades Education Pre-requisite: None	3		
MGED 3020	Inquiry and Literacy in Middle Grades Science Pre-requisite: None	3	MGED 3022	Physical Sciences in Middle Grades Education Pre-requisite: None	3		
MGED 3021	Life Sciences in Middle Grades Education Pre-requisite: None	3	MGED 3032	Reading Methods in Middle Grades Education Pre-requisite: None	3		
Fall Milestones		Total	Spring Milestones		Total		
		15		Take GACE Content Exams: MG Math [013] and MG Science [014]	15		

Senior	Fall Courses			Spring Courses			Notes
	Course	Name	Hours	Course	Name	Hours	
	EDUC 3040	Classroom Management & Ethics Pre-requisite: None	3	EDUC 4475	Student Teaching / Clinical Practice Pre-requisite: Admission to TEP GaPSC Pre-Service Certificate Required	10	
MGED 3023	Earth & Space Sciences in Middle Grades Education Pre-requisite: None	3	EDUC 4476	Student Teaching Seminar Co-requisite: EDUC 4475	2		
MGED 4100	Methods & Research in Middle Grades Education Pre-requisite: Admission to TEP	3					
MGED 4412	Practicum in Middle Grades Mathematics Pre-requisite: Admission to TEP	3					
MGED 4413	Practicum in Middle Grade Science Pre-requisite: Admission to TEP	3					
Fall Milestones		Total	Spring Milestones		Total		
		15		Submit edTPA	12		

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Core Curriculum (Programmed Preferred Options in Bold)

Area B – Institutional Options 5 hrs.

AFRS 1501 Survey of African-American Experience 2 hrs.
HUMN 1201 Critical Thinking & Communication 3 hrs.

Area C – Humanities/Fine Arts, and Ethics 6 hrs.

1. Select one of the following:

ENGL 2111 World Literature I 3 hrs.
ENGL 2112 World Literature II 3 hrs.
ENGL 2121 British Literature I 3 hrs.
ENGL 2122 British Literature II 3 hrs.
ENGL 2131 American Literature I 3 hrs.
ENGL 2132 American Literature II 3 hrs.
ENGL 2222 African American Literature 3 hrs.
PHIL 2010 Introduction to Philosophy 3 hrs.
PHIL 2030 Introduction to Ethics 3 hrs.

2. Select one of the following:

ARTS 1101 Introduction to Visual Art 3 hrs.
DNCE 2010 Dance Appreciation 3 hrs.
ENGL 2521 Introduction to Film 3 hrs.
HUMN 2011 Humanities 3 hrs.
MUSC 1101 Introduction to Music 3 hrs.
THEA 2101 Introduction to Theatre 3 hrs.

Area D – Natural Sciences, Math, & Technology 11 hrs.

1. Select one of the following:

BIOL 1107 Principles of Biology I 3 hrs.
BIOL 1108 Principles of Biology II 3 hrs.
CHEM 1211 Principles of Chemistry I 3 hrs.
CHEM 1212 Principles of Chemistry II 3 hrs.
CISM 1130 Computer Applications 3 hrs. or
CSCI 1130 Computer Applications 3 hrs.
CSCI 1301 Computer Science I 3 hrs.
ENVS 1140 Environmental Issues 3 hrs.

2. Select two of the following lab sciences:

(2 different level I sciences are recommended)
BIOL 1107/1107L Principles of Biology I 4 hrs.
BIOL 1108/1108L Principles of Biology II 4 hrs.
CHEM 1211/1211L Principles of Chemistry 4 hrs.
CHEM 1212/1212L Principles of Chemistry 4 hrs.
PHYS 1111K Introductory Physics I 4 hrs.
PHYS 1112K Introductory Physics II 4 hrs.
PHYS 2211K Principles of Physics I 4 hrs.
PHYS 2212K Principles of Physics II 4 hrs.

Area E – Social Science 12 hrs.

POLS 1101 American Government 3 hrs.

1. Select one of the following:

HIST 2111 U.S. History to the Post-Civil War Period 3 hrs.
HIST 2112 U.S. History from the Post-Civil War to Pre 3 hrs.

2. Select two of the following:

AFRS 2000 Introduction to Africana Studies 3 hrs.
ANTH 1101 Introduction to Anthropology 3 hrs.
ECON 2105 Principles of Macro-Economics 3 hrs.
GEOG 1101 Introduction to Human Geography 3 hrs.
HIST 1111 World Hist to Early Modern Times 3 hrs.
HIST 1112 World History Early Modern Times to Pres 3 hrs.
POLS 2401 Global Issues 3 hrs.
PSYC 1101 Intro to General Psychology 3 hrs.
PSYC 2103 Human Growth & Development 3 hrs.
SOC 1101 Introduction to Sociology 3 hrs.
SOC 1160 Social Problems 3 hrs.

Distinctive Courses in this Major

EDUC 3030 Teaching Exceptional Learners 3 credits

This course is designed to prepare candidates to work collaboratively with families and school personnel to have a positive impact on the educational, social and behavioral development of all students, including those with a full range of disabilities and in a diverse society. The course focuses on knowledge of legislative mandates for serving exceptional students, characteristics of exceptionality, best practice in facilitating teaching and learning, and accountability through assessment of outcomes. **There are 60 required field hours in this course. This course cannot be passed without verification of completion of field hours. Admission to TEP required.**

EDUC 3200 Curriculum and Assessment 3 credits

This course will engage students in the investigation of curriculum, instruction, and assessment development with an emphasis on student learning outcomes. This course will review assessment methods relative to constructing, evaluating and interpreting tests with an understanding on reliability, valid and fair measurements; descriptive and inferential statistics, and state competency testing. Students will cover knowledge management and methods for integrating technology into assessment practice. **There are 60 required field hours in this course. This course cannot be passed without verification of completion of field hours. Admission to TEP.**

MGED 4100 Methods & Research in Middle Grades Education 3 credits

Teacher candidates will advance their practical understanding of educational research specific to MG Education and the theories of teaching and learning. The course introduces the language of research, ethical principles, and elements of qualitative and quantitative research approaches. Candidates will use these theoretical underpinnings to begin to critically review and use literature related to research-based methods relevant to their MG content areas in planning, instruction, and assessment. **The eportfolio is required. Admission to TEP required. Taken with MGED Practicum courses.**

MGED 4412 Practicum in Teaching Middle Grades Math 3 credits

This course engages students in teaching concepts in middle grades mathematics with a focus on integrated STEM education in a middle school setting while receiving additional training in effective instructional methods and assessment strategies appropriate for middle level learners. **There are 60 required field hours in this course. This course cannot be passed without verification of completion of field hours. Taken with MGED 4000.**

-- AND --

MGED 4413 Practicum in Teaching Middle Grades Science 3 credits

This course engages students in teaching concepts in middle grades science with a focus on integrated STEM education in a middle school setting while receiving additional training in effective instructional methods and assessment strategies appropriate for middle level learners. **There are 60 required field hours in this course. This course cannot be passed without verification of completion of field hours. Taken with MGED 4000.**

EDUC 4475 Student Teaching/Clinical Practice 10 credits

Student teaching is a **630-hour field-based capstone requirement** for teacher certification and BSED candidates. Requirements for entry, grade level and/or content placement, and teaching experiences at the assigned school adhere to the most recent rules for teacher certification mandated by the GaPSC. **Taken with EDUC 4476.**

EDUC 4476 Student Teaching Seminar 2 credits

This seminar, taken with EDUC 4475 Student Teaching/Clinical Practice, provides students with structured support to meet final teacher preparation program requirements mandated by the GaPSC for teacher certification. **Completion of GACE assessments and submission of the teaching portfolio to edTPA are required to complete this course. Taken with EDUC 4475.**