BS, Middle Grades Education, Mathematics and Science



470C,D College of Education Curriculum and Instruction 2018-2019

This four year guide is a recommended semester-by semester plan of study for this major. All four year guides are meant as examples of how a degree can be completed in four years. Individual plans will be developed for each student in consultation with the academic advisor. Prior credit, course availability, and student needs must be considered in developing the individual plan.

Shaded areas of plan require special attention

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	Course Subject and Title	Credit	Min.	Major	Important Notes		
		Hours	Grade	GPA	important Notes		

		Seme	ster One:	[16 Credit Hours]
UCO 1200 First Year Seminar	3			
STT 2810 Introduction to Statistics OR MAT 4910 Basic Concepts of Probability and Statistics	3	С	√	Meets MAT concentration requirement
Science Inquiry	4	С	✓	#1 of 8 semester hour science sequence, meets SCI concentration requirement
Liberal Studies Experience #1 (LS)	3			
Integrative Learning Experience #1	3			
		Seme	ster Two:	[17 Credit Hours]
RC 1000 Expository Writing	3	С		
MAT 1110 Calculus with Analytic Geometry I (Quantitative Literacy)	4	С	✓	Meets quantitative literacy requirement
Science Inquiry	4	С	✓	#2 of 8 semester hour science sequence, meets SCI concentration requirement
Liberal Studies Experience #2 (SS)	3			
Integrative Learning Experience #2	3			
		Semest	ter Three	: [18 Credit Hours]
CI 2300 Teaching and Learning in the Digital Age	2	С	✓	
FDN 2400 Critical Perspectives on Learning and Teaching	2	С	✓	
Liberal Studies Experience #3 (HS)	3			
RC 2001 Introduction to Writing Across the Curriculum	3			
MAT 3910 Introduction to the Logic and Structure of Mathematics I	4	С	✓	Meets MAT concentration requirement
Science BIO/CHE/GLY/PHY (Must take one 4 hour course in each of the remaining three sciences NOT taken as Science Inquiry)	4	С	✓	Meets SCI concentration requirement

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Course Subject and Title

CI 3920 Teaching Young

of Science Concepts
Wellness Literacy

GS 3300 Educational Applications

Adolescents
MAT Elective

Elective

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Important Notes

Major

GPA

Credit

Hours

3

3

3

1

1

С

С

С

✓

Meets MAT concentration requirement

Meets SCI concentration requirement

Min.

Grade

Semester Four: [16 Credit Hours] PSY 3010 Psychology Applied to С ✓ 3 Teaching MAT 3920 Introduction to the С ✓ 4 Logic and Structure Meets MAT concentration requirement of Mathematics II Integrative Learning Experience 3 Science BIO/CHE/GLY/PHY (Must take one 4 hour course in each of С 4 Meets SCI concentration requirement the remaining three sciences **NOT taken as Science Inquiry)** Elective 2 Semester Five: [16 Credit Hours] CI 3400 Policies and Practices in 2 С ✓ **Educational Assessment** SPE 3300 Creating Inclusive 3 С **Learning Communities** MAT 3610 Introduction to 3 C ✓ Geometry OR Meets MAT concentration requirement MAT 4910 Informal Geometry Science BIO/CHE/GLY/PHY (Must take one 4 hour course in each of С 4 Meets SCI concentration requirement the remaining three sciences **NOT taken as Science Inquiry)** Liberal Studies Experience #4 (FA) 3 Wellness Literacy Semester Six: [17 Credit Hours] BLOCK I (SPRING) CI 3900 Middle Grades Internship 3 S (WID) CI 3910 Middle Level Education 3 С

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Course Subject and Title	Credit	Min.	Major	Important Notes			
Course subject and Title	Hours	Grade	GPA	Important Notes			

	Semo	ester Seve	n: [15 Cre	dit Hours] BLOCK II (FALL)	
CI 4490 Middle Grades Curriculum, Instruction, and Assessment	4	С	✓		
CI 4300 Content Area Literacy, Language, and Culture in Middle Grades Education	3	С	~		
CI 4480 Middle Grades Classroom Management	2	С	✓		
GS 4403 Teaching Science in Middle and High Schools	3	С	✓	Meets SCI concentration requirement	
CI 4040 Mathematics in the Middle Grades	3	С	✓	Meets MAT concentration requirement	
Semester Eight: [13 Credit Hours]					
		CI 49	00 Studen	t Teaching (CAP)	12
CI 4450 Seminar in Middle Grades: Portfolio/ Exhibition	1	S			

General Requirements Summary							
Minimum	Gen Ed.		Minimum				
Total Hours	Hours	Writing	Major GPA	Overall GPA			
128	44	RC 1000 and RC 2001	2.0	2.7			

General Education Program Model - 44 Semester Hours Total					
Program Categories	Hours	Important Notes – Be sure to check for Gen Ed courses required in your major			
First Year Seminar	3	Can be taken first or second semester of freshman year			
Wellness Literacy	2				
Quantitative Literacy	4				
First Year Writing	3	Can be taken first or second semester of freshman year			
Sophomore Writing	3				
Integrative Learning Experience	9	Must choose a minimum of two disciplines			



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Course Subject and Title	Credit	Min.	Major	Important Notes		
	Hours	Grade	GPA	Important Notes		

Liberal Studies Experience	12	Must choose a minimum of three disciplines
Science Inquiry	8	

You must also meet the Fine Arts, Literary Studies, Historical Studies, and the Social Science Designations. Those may be met within the Integrative Learning Experience and the Liberal Studies Experience.

Contact: Laurie A. Ramirez 282-8008 ramirezla@appstate.edu

Additional Notes:

- Middle Grades Block I is offered in Spring semester only; Block II is offered in Fall semester only.
- Refer to the Major POS and the General Education POS for more information and pre/co-requisites. Consult the *University Bulletin* for course prerequisites.
- Meet PRAXIS I requirement during FRESHMAN YEAR. See First Year Course Guide at http://advising.appstate.edu
- Apply to teacher education during sophomore year.
- A student must have at least a 2.70 grade-point average to be admitted to the teacher education program and must maintain a 2.70 grade-point average overall through student teaching.