Degree Works

BS, Middle Grades Education, Mathematics and Science

470C,D College of Education Curriculum and Instruction

2015-2016

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 Hours	Min. Grade	Major GPA	Important Notes	

		Semes	ster One:	[17 Credit Hours]	
UCO 1200 First Year Seminar	3				
MAT 1025 Algebra and Elementary Functions	4	С	✓	Meets Quantitative Literacy requirement, 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				
		Semes	ster Two:	[17 Credit Hours]	
RC 1000 Expository Writing	3	С			
MAT 1110 Calculus with Analytic Geometry I (Quantitative Literacy)	4	С	✓	Meets MAT concentration 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				
Semester Three : [18 Credit Hours]					
CI 2300 Teaching and Learning in the Digital Age	2	С	✓		
FDN 2400 Critical Perspectives on Teaching and Learning	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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,	Hours	Grade	GPA	·	

		Semes	ster Four:	[16 Credit Hours]
PSY 3010 Psychology Applied to Teaching	3	С	✓	
MAT 3920 Introduction to the Logic and Structure of Mathematics II	4	С	√	Meets MAT concentration requirement
Integrated Learning Experience #3	3			
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
Elective	2			
		Seme	ster Five:	[16 Credit Hours]
CI 3400 Policies and Practices in Educational Assessment	2	С	✓	
SPE 3300 Creating Inclusive Learning Communities	3	С	✓	
MAT 4910 Informal Geometry	3	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
Liberal Studies Experience #4 (FA)	3			
Wellness Literacy	1			
	Sem	ester Six:	[16 Credit	Hours] BLOCK I (SPRING)
CI 3900 Middle Grades Internship (WID)	3	S		
CI 3910 Middle Level Education	3	С	✓	
CI 3920 Teaching Young Adolescents	3	С	√	
STT 2810 Introduction to Data Analysis and Statistical Reference OR MAT 4910 Basic Concepts of Probability and Statistics	3	С	✓	Meets MAT concentration requirement
GS 3300 Educational Applications of Science Concepts	3	С	✓	Meets SCI concentration requirement
Wellness Literacy	1			

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Course Subject and Title

Credit Min. Major Hours Grade GPA Important Notes

Semester Seven: [15 Credit Hours] BLOCK II (FALL)					
CI 4490 Middle Grades Curriculum, Instruction, and Assessment	4	С	✓		
CI/RE 4300 Literacy, Language, and Culture in the Middle Grades	3	С	√		
RE 4630 Reading in the Content Area	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 4900 Student Teaching (CAP)	12	S			
CI 4450 Seminar in Middle Grades: Portfolio/ Exhibition	1	S			

General Requirements Summary							
Minimum Gen Ed.			Minimum				
Total Hours	Writing		Major GPA	Overall GPA			
128	44	RC 1000 and RC 2001	2.0	2.5			

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



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Credit Hours Grade GPA Important Notes

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.