# Degree Works

### BS, Middle Grades Education, Mathematics and Science

470C,D College of Education Curriculum and Instruction 2014-2015

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

		Seme	ster One:	[17 Credit Hours]
UCO 1200 First Year Seminar	3			
MAT 1025 Algebra and Elementary Functions	4			
Science Inquiry	4			
Aesthetic Perspective	3			
Historical and Social Perspective: Appalachia Life, Culture, and Land	3			
		Seme	ster Two:	[17 Credit Hours]
ENG 1000 Expository Writing	3	С		
MAT 1110 Calculus with Analytic Geometry I (Quantitative Literacy)	4			
Science Inquiry	4			
Aesthetic Perspective	3			
GLY 2301 The History of Coal from the Pennsylvanian to the Present (Historical and Social Perspective: Appalachia Life, Culture, and Land)	3			
		Semes	ter Three	: [17 Credit Hours]
CI 2300 Teaching and Learning in the Digital Age	2	С		
FDN 2400 Critical Perspectives on Teaching and Learning	2	С		
PSY 3010 Psychology Applied to Teaching	3	С		
ENG 2001 Introduction to Writing Across the Curriculum	3			
STT 2810 Introduction to Statistics	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			

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**GPA** 

Grade

Hours

		Seme	ster Four:	[16 Credit Hours]
MAT 3910 Introduction to the				
Logic and Structure of	4			
Mathematics I				
Aesthetic OR Historical and Social	3			
OR Local to Global Perspective	_			
Local to Global Perspective	3			
Science BIO/CHE/GLY/PHY (Must				
take one 4 hour course in each of	4			
the remaining three sciences				
NOT taken as Science Inquiry)				
Elective	2			
		Seme	ster Five:	17 Credit Hours]
CI 3400 Policies and Practices in	2	С		
Educational Assessment	2	C		
SPE 3300 Creating Inclusive	3	С		
Learning Communities	3			
MAT 3920 Introduction to the				
Logic and Structure	4			
of Mathematics I				
Science BIO/CHE/GLY/PHY (Must				
take one 4 hour course in each of	4			
the remaining three sciences NOT taken as Science Inquiry)				
Local to Global Perspective	3			
Wellness Literacy	1			
Weilifess Literacy		C:	[4.C. Curadit	II PLOCK I (CRRING)
CL2000 MILLI C. I. I. I.	Sem	ester Six:	[16 Credit	Hours] BLOCK I (SPRING)
CI 3900 Middle Grades Internship	3	S		
(WID) CI 3910 Middle Level Education	3	С		
	3	C		
CI 3920 Teaching Young Adolescents	3	С		
MAT 4910 Informal Geometry	3			
GS 3300 Educational Applications	3			
of Science Concepts	3			
Wellness Literacy	1	]		

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Course Subject and Title  Credit Min. Major Important Notes  Grade GPA	$\vdash$						
Hours Grade GPA Important Notes		Course Subject and Title	Credit	Min.	Major	Important Notes	
		Course Subject and Title	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				
CI 4040 Mathematics in the Middle Grades	3	С				
Semester Eight: [15-16 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	tal Hours Hours Writ		Major GPA	Overall GPA				
128	44	ENG 1000 and ENG 2001	2.0	2.5				

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	
Perspectives:	29	
Aesthetic	6 or 9	
Historical & Social	6 or 9	



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Course Subject and Title	Credit	Min.	Major	Important Notes				
	Hours	Grade	GPA	important Notes				
Local to Global		6 or 9						
Science Inquiry		8						

#### **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.