

Cleveland State University
College of Education and Human Services
Bachelor of Science in Education
(Middle Childhood, Math and Science)
New Fall 2014

First Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
ENG 100 or 101 College Writing	3		W/C	ENG 102 College Writing II	3		W/C	
ASC 101 Intro to University Life	1		INTRO	MTH 326 Number Patterns & Operations	3	X		
MTH 325 Patterns, Reasoning & Proof for MS Teachers	3	X		Social Science Gen Ed **	3		SS	
Arts & Humanities Gen Ed **	3		A&H	EVS 380 & 381 Earth Science for MS Teachers & Lab	4	X		
GEO 100 & 101 Intro to Geology & Lab	4	X	NS	US Diversity Gen Ed	3		DIV-US	
General Elective	1							
<i>Semester Total</i>	15			<i>Semester Total</i>	16			

Second Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
MTH 327 Algebra & Function	3	X		EDB 241 Rotation & Seminar 1: Context for Learning	2	X		
PSY 221 Adolescent Psychology	3	X	SS	EDB 242 Introduction to Education (TAG)	2	X	WAC	
BIO 380 & 381 Biology for MS Teachers & Lab	4	X		ETE 243 Educational Technology I (TAG)	1	X		
EDL 300 Phonics Assessment & Instruction	3	X		MTH 328 Geometry for MS Teachers	3	X	M/QL	
Diversity Gen Ed - AA	3		DIV-AA	CHM 380 Chemistry for MS Teachers	3	X	NS	
				EDL 301 Beg./Int. Reading Instruction & Assessment	3	X	WAC	
				EUT 210 Perspectives in Math & Science	3	X	A&H	
<i>Semester Total</i>	16			<i>Semester Total</i>	17			

Third Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 341 Rotation & Seminar 2: Assessment & Inst	3	X		EDM 351 Rotation & Seminar 3: Students as Learners	3	X		
EDM 342 Introduction to Exceptionalities (TAG), co	3	X		EDM 352 Educational Psychology (TAG), coreq EDM 35	3	X	WAC	
ETE 343 Educational Technology II (TAG), coreq ED	1	X		ETE 353 Educational Technology III (TAG) coreq EDM 35	1	X		
MTH 329 Data Analysis & Probability	3	X	M/QL	MTH 330 Conversational Calculus	3	X		
PHY 400 Conceptual Physics for MS Teachers	3	X		EDL 313 Teaching & Assessing Language Arts	3	X		
EDL 305 Content Area Literacy	3	X						
<i>Semester Total</i>	16			<i>Semester Total</i>	13			

Fourth Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 441 Internship I: Professionalism & Practice	9	X		EDM 451 Internship II: Teachers as Leaders	12	X		
EDM 417 (coreq EDM 441) Science in Middle School	3	X						
EDM 415 (coreq EDM 441) Mathematics in Middle Scho	3	X						
<i>Semester Total</i>	15			<i>Semester Total</i>	12			
Degree Total: 120 Credit Hours								

Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency

College/Program Notes:

The plan above is a suggested guide to ensure that all General Education, College, University, and Major requirements are met within 4 years of study. Students may deviate from the suggested placement of Gen Ed courses, although the M/QL and W/C requirements should be completed during the first year of study.

*General Electives ensure that a student accumulates the minimum credit hour totals needed for graduation. Students must have a **minimum of 128 total credit hours**, of which a **minimum of 42 credit hours** must be upper division (300 or 400-level courses). Depending upon other elective choices made, students may not need as many general electives as indicated above, or may need additional electives.

University Notes:

Gen Ed Key:	SS = Social Sciences Requirement (2 courses, one of which must be focused outside the US**)
INTRO = Introduction to University Life Requirement (one course)	A&H = Arts & Humanities Requirement (2 courses, one must be focused outside the US**)
W/C = Writing/Composition Requirement (two courses; C or better required)	DIV = Social Diversity Requirement (2 courses; one US Diversity and one African American Exp.)
M/QL = Mathematics/Quantitative Literacy Requirement (two courses)	WAC/SPAC = Writing/Speaking Across the Curriculum Requirement (3 courses, one in the major)
NS = Natural Sciences (two courses, one of which must have a lab)	CAP = Capstone Requirement
** of the SS and A&H courses focused outside the US, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)	

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ENG 100 or 101 College Writing	3		W/C	ENG 102 College Writing II	3		W/C
ASC 101 Intro to University Life	1		INTRO	MTH 326 Number Patterns & Operations	3	X	
MTH 325 Patterns, Reasoning & Proof for MS Teachers	3	X		PSY 221 Adolescent Psychology	3	X	SS
Social Science Gen Ed **	3		SS	Science Gen Ed & Lab	4		NS
Science Gen Ed	3		NS	US Diversity Gen Ed	3		Div-US
<i>Semester Total</i>	<i>13</i>			<i>Semester Total</i>	<i>16</i>		

<i>Second Year</i>							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
MTH 327 Algebra & Function	3	X		EDB 241 Rotation & Seminar 1: Context for	2	X	
ENG 310 Traditional Grammar	3	X		EDB 242 Introduction to Education (TAG)	2	X	WAC
ENG 308 Composition Theory for Teachers	3	X	WAC	ETE 243 Educational Technology I (TAG)	1	X	
EDL 300 Phonics Assessment and Instruction	3	X		MTH 328 Meas & Geom for Mid Sch Tchr	3	X	M/QL
EDM 312 Writing for Middle School Teachers	3			ENG 241 Intro to Fiction and Drama	3	X	A&H WAC
				EDL 301 Beginning and Intermediate Reading	3	X	WAC
				EUT 210 Perspectives in Math & Science	3	X	A&H
<i>Semester Total</i>	<i>15</i>			<i>Semester Total</i>	<i>17</i>		

<i>Third Year</i>							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
EDM 341 Rotation & Seminar 2: Assessment & In	3	X		EDM 351 Rotation & Seminar 3: Students as	3	X	
EDM 342 Introduction to Exceptionalities (TAG),	3	X		EDM 352 Educational Psychology (TAG), cor	3	X	WAC
ETE 343 Educational Technology II (TAG), coreq E	1	X		ETE 353 Educational Technology III (TAG) co	1	X	
MTH 329 DataAnal/Problty Mid Teachers	3	X	M/QL	MTH 330 Conversational Calculus for Middl	3	X	
ENG 342 Survey of American Literature	3	X		EDL 313 Literature-Based Reading Methods	3	X	
EDL 305 Content Area Literacy	3	X		ENG 347 Studies in African-American Literat	3	X	DIV AA WAC
<i>Semester Total</i>	<i>16</i>			<i>Semester Total</i>	<i>16</i>		

<i>Fourth Year</i>							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
EDM 441 Internship I: Professionalism & Practice	9	X		EDM 451 Internship II: Teachers as Leaders	12	X	
EDM 413 (coreq EDM 441) Language Arts in Middle Sc	3	X	WAC				
EDM 415 (coreq EDM 441) Mathematics in Middle Sch	3	X					
<i>Apply for Spring graduation prior to Sep 9th Semester Total</i>	<i>15</i>			<i>Semester Total</i>	<i>12</i>		
<i>Degree Total: 120 credit hours</i>							

Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency

College/ Program Notes:

The plan above is a suggested guide to ensure that all General Education, College, University, and Major requirements are met within 4 years of study. Students may deviate from the suggested placement of Gen Ed courses, although the M/QL and W/C requirements should be

*General Electives ensure that a student accumulates the minimum credit hour totals needed for graduation. Students must have a **minimum of 128 total credit hours**, of which a **minimum of 42 credit hours** must be upper division (300 or 400-level courses). Depending upon other elective choices made, students may not need as many general electives as indicated above, or may need additional electives.

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** of the SS and A&H courses focused outside the US, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)	

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ENG 100 or 101 College Writing	3		W/C	ENG 102 College Writing II	3		W/C	
ASC 101 Intro to University Life	1		INTRO	EVS 380 & 381 Earth Sci Middle Sch Teacher	4	X		
EUT 201 Step One: Inquiry Approach Tch	3	X	A&H	MTH 117 Math Applications in Real World	3		M/QL	
GEO 100 & 101 Introductory Geology & Lab	4	X	NS	PSY 221 Adolescent Psychology	3	X	SS	
MTH 116 Foundations Quantitative Literacy	3		M/QL	US Diversity Gen Ed	3		DIV-US	
<i>Semester Total</i>	<i>14</i>			<i>Semester Total</i>	<i>16</i>			

<i>Second Year</i>								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
CHM 380 Prin of Chem Mid Sch Teachers	3	X	NS	EDB 241 Rotation & Seminar 1: Context for	2	X		
ENG 308 Composition Theory for Teacher	3	X	WAC	EDB 242 Introduction to Education (TAG)	2	X	WAC	
Social Science Gen Ed **	3		SS	ETE 243 Educational Technology I (TAG)	1	X		
EDL 301 Begin/Inter Reading Inst/Assess	3		WAC	BIO 380 & 381 Bio Content Mid School Teacher	4	X		
EDL 300 Phonics Assessment/Instruction	3	X		ENG 241 Intro to Fiction & Drama	3	X	A&H WAC	
EDM 312 Writing for Middle School Teachers	3			ENG 310 Traditional Grammar	3	X		
<i>Semester Total</i>	<i>18</i>			<i>Semester Total</i>	<i>15</i>			

<i>Third Year</i>								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 341 Rotation & Seminar 2: Assessment	3	X		EDM 351 Rotation & Seminar 3: Students as	3	X		
EDM 342 Introduction to Exceptionalities (I)	3	X		EDM 352 Educational Psychology (TAG), co	3	X	WAC	
ETE 343 Educational Technology II (TAG), c	1	X		ETE 353 Educational Technology III (TAG) c	1	X		
PHY 400 Conceptual PHY MidSch Teachers	3	X		ENG 342 Survey of American Literature	3	X		
ENG 347 African American Literature	3	X	DIV AA WAC	EDL 313 Lit-Based Reading Mthd for Child	3	X		
EDL 305 Content Area Literacy	3	X		Pending (update coming soon)	3	X		
<i>Semester Total</i>	<i>16</i>			<i>Semester Total</i>	<i>16</i>			

<i>Fourth Year</i>								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 441 Internship I: Professionalism & Pr	9	X		EDM 451 Internship II: Teachers as Leaders	12	X		
EDM 413 (coreq EDM 441) Language Arts in Mid	3	X	WAC					
EDM 417 (coreq EDM 441) Science in Middle Sc	3	X						
Apply for Spring graduation prior to Sep 9th								
<i>Semester Total</i>	<i>15</i>			<i>Semester Total</i>	<i>12</i>			
<i>Degree Total: 122 credit hours</i>								

Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency

College/ Program Notes:

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*General Electives ensure that a student accumulates the minimum credit hour totals needed for graduation. Students must have a

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Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
ENG 100 or 101 College Writing	3		W/C	ENG 102 College Writing II	3		W/C
ASC 101 Intro to University Life	1		INTRO	Science Gen Ed & Lab	3		NS
HIS 102 Western Civilization	3	X	A&H	MTH 117 Math Applications in Real World	3		M/QL
Science Gen Ed & Lab	4		NS	PSC 111 American Government	3	X	SS
MTH 116 Foundations Quantitative Literac	3		M/QL	PSY 221 Adolescent Psychology	3	X	SS
US Diversity Gen Ed	3		DIV-US				
<i>Semester Total</i>	<i>17</i>			<i>Semester Total</i>	<i>15</i>		

Second Year							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
ECN 201 Principles of Macroeconomics	3	X	SS	EDB 241 Rotation & Seminar 1: Context for	2	X	
EDM 312 Writing for Middle School Teache	3	X		EDB 242 Introduction to Education (TAG)	2	X	WAC
HIS 111 United States History to 1877	3	X		ETE 243 Educational Technology I (TAG)	1	X	
ENG 308 Composition Theory for Teachers	3		WAC	HIS 112 United States HIS Since 1877	3	X	
EDL 300 Phonics Assessment/Instruction	3	X		ENG 241 Intro to Fiction & Drama	3	X	A&H WAC
				EDL 301 Begin/Inter Reading Inst/Assess	3	X	WAC
<i>Semester Total</i>	<i>15</i>			<i>Semester Total</i>	<i>14</i>		

Third Year							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
EDM 341 Rotation & Seminar 2: Assessmer	3	X		EDM 351 Rotation & Seminar 3: Students a	3	X	
EDM 342 Introduction to Exceptionalities (3	X		EDM 352 Educational Psychology (TAG), co	3	X	WAC
ETE 343 Educational Technology II (TAG), c	1	X		ETE 353 Educational Technology III (TAG) c	1	X	
ENG 310 Traditional Grammar	3	X		HIS 200 Intro to Geography	3	X	
ENG 347 African American Literature	3	X	DIV AA WAC	EDL 313 Lit-Based Reading Mthd for Child	3	X	
EDL 305 Content Area Literacy	3	X		ENG 342 Survey of American Literature	3	X	
<i>Semester Total</i>	<i>16</i>			<i>Semester Total</i>	<i>16</i>		

Fourth Year							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
EDM 441 Internship I: Professionalism & Pr	9	X		EDM 451 Internship II: Teachers as Leaders	12	X	
EDM 413 (coreq EDM 441) Language Arts in Mid	3	X	WAC				
EDM 416 (coreq EDM 441) Social Studies in Mid	3	X					
Apply for Spring graduation prior to Sep 9th							
<i>Semester Total</i>	<i>15</i>			<i>Semester Total</i>	<i>12</i>		
<i>Degree Total: 123 credit hours</i>							

Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency

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ASC 101 Intro to University Life	1		INTRO	EVS 380 & 381 Earth Sci Middle Sch Teacher	4	X		
GEO 100 & 101 Introductory Geology & Lab	4	X	NS	MTH 117 Math Applications in Real World	3		M/QL	
HIS 102 Western Civilization	3	X	A&H	PSC 111 American Government	3	X	SS	
MTH 116 Foundations Quantitative Literacy	3		M/QL	US Diversity Gen Ed	3		DIV-US	
<i>Semester Total</i>	<i>14</i>			<i>Semester Total</i>	<i>16</i>			

Second Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
ECN 201 Principles of Macroeconomics	3	✓		EDB 241 Rotation & Seminar 1: Context for	2	✓		
HIS 111 United States History to 1877	3	✓	A&H	EDB 242 Introduction to Education (TAG)	2	✓	WAC	
ECN 201 Principles of Macroeconomics	3	✓	SS	ETE 243 Educational Technology I (TAG)	1	✓		
CHM 380 Prin of Chem Mid Sch Teachers	3	✓	NS	HIS 112 United States HIS Since 1877	3	✓	A&H	
EDL 300 Phonics Assessment/Instruction	3	✓		BIO 380 & 381 Bio Content Mid School Teacher	4	✓		
PSY 221 Adolescent Psychology	3	✓		EDL 301 Begin/Inter Reading Inst/Assess	3	✓	WAC	
<i>Semester Total</i>	<i>18</i>			<i>Semester Total</i>	<i>15</i>			

Third Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 341 Rotation & Seminar 2: Assessment	3	✓		EDM 351 Rotation & Seminar 3: Students as	3	✓		
EDM 342 Introduction to Exceptionalities (I)	3	✓		EDM 352 Educational Psychology (TAG), co	3	✓	WAC	
ETE 343 Educational Technology II (TAG), co	1	✓		ETE 353 Educational Technology III (TAG) co	1	✓		
HIS 200 Intro to Geography	3	✓		Diversity Gen Ed	3	✓	DIV AA	
PHY 400 Conceptual PHY MidSch Teachers	3	✓		EDL 313 Lit-Based Reading Mthd for Child	3	✓		
EDL 305 Content Area Literacy	3	✓		EUT 210 Perspectives in Math & Science	3	✓	A&H	
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Fourth Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 441 Internship I: Professionalism & Practice	9	✓		EDM 451 Internship II: Teachers as Leaders	12	✓		
EDM 413 (coreq EDM 441) Language Arts in Middle Childhood	3	✓						
EDM 416 (coreq EDM 441) Social Studies in Middle Childhood	3	✓						
Apply for Spring graduation prior to Sep 9th								
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Degree Total: 122 credit hours

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MTH 325 Patterns, Reasoning & Proof for MS Teachers	3	x	M/QL	PSC 111 American Government	3	x	SS	
HIS 102 Western Civilization	3	x	A&H	Science Gen Ed	4		NS	
Science Gen Ed	3		NS	US Diversity Gen Ed	3		DIV-US	
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MTH 327 Algebra & Function	3	x		EDB 241 Rotation & Seminar 1: Context for	2	x		
EUT 210 Perspectives in Math & Science	3	x	A&H	EDB 242 Introduction to Education (TAG)	2	x	WAC	
HIS 111 United States History to 1877	3	x	A&H	ETE 243 Educational Technology I (TAG)	1	x		
ECN 201 Principles of Macroeconomics	3	x		MTH 328 Meas & Geom for Mid Sch Tchr	3	x	M/QL	
EDL 300 Phonics Assessment/Instruction	3	x		HIS 112 United States HIS Since 1877	3	x		
PSY 221 Adolescent Psychology	3	x	SS	EDL 301 Begin/Inter Reading Inst/Assess	3	x	WAC	
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EDM 342 Introduction to Exceptionalities (T	3	x		EDM 352 Educational Psychology (TAG), cor	3	x	WAC	
ETE 343 Educational Technology II (TAG), co	1	x		ETE 353 Educational Technology III (TAG) co	1	x		
MTH 329 DataAnal/Probilty Mid Teachers	3	x	M/QL	MTH 330 Conversational Calculus for Middl	3	x		
HIS 200 Intro to Geography	3	x		EDL 313 Lit-Based Reading Mthd for Child	3	x		
EDL 305 Content Area Literacy	3	x						
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EDM 415 (coreq EDM 441) Mathematics in Midd	3	X						
Apply for Spring graduation prior to Sep 9th								
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College/ Program Notes:

The plan above is a suggested guide to ensure that all General Education, College, University, and Major requirements are met within 4 years of study. Students may deviate from the suggested placement of Gen Ed courses, although the M/QL and W/C requirements should
*General Electives ensure that a student accumulates the minimum credit hour totals needed for graduation. Students must have a **minimum of 128 total credit hours**, of which a **minimum of 42 credit hours** must be upper division (300 or 400-level courses). Depending upon other elective choices made, students may not need as many general electives as indicated above, or may need additional electives.

University Notes:

Gen Ed Key:	SS = Social Sciences Requirement (2 courses, one of which must be focused outside the US**)
INTRO = Introduction to University Life Requirement (one course)	A&H = Arts & Humanities Requirement (2 courses, one must be focused outside US**)
W/C = Writing/Composition Requirement (two courses; C or better re DIV =Social Diversity Requirement (2 courses; 1 US Diversity and 1 African American Exp.)	
M/QL = Mathematics/Quantitative Literacy Requirement (two course	WAC/SPAC = Writing/Speaking Across the Curriculum Requirement (3 courses, 1 in major)
NS = Natural Sciences (two courses, one of which must have a lab)	CAP = Capstone Requirement
** of the SS and A&H courses focused outside the US, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)	

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