

Cleveland State University
College of Education and Human Services
Bachelor of Science in Education
Middle Childhood-Math & Science

First Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
ENG 101 College Writing I	3		W/C	ENG 102 College Writing II	3		W/C	
ASC 101 Introduction to University Life	1		INTRO	MTH 326 Number Sys & Operations for Mid Sch Teachers	3	✓		
MTH 168 Precalculus Mathematics II or MTH 181 Calculus I	3 or 4	✓	M/QL	Social Science** (from a department other than PSY)	3		SS	
Arts & Humanities**	3		A&H	BIO 100/107 The Living World & Human Biology Lab	4	✓		
GEO 100 Geology & GEO 101 Geology Lab	4	✓	NS					
<i>Semester Total</i>	<i>14 or 15</i>			<i>Semester Total</i>	<i>13</i>			
Second Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
MTH 325 Patt, Reasoning, & Proof for Mid Sch Teachers	3	✓		EDB 241 Rotation 1: Social Context of Urban Education	2	✓	WAC	
PSY 221 Adolescent Psychology	3	✓	SS	EDB 242 Introduction to Education (TAG)	3	✓	DIV-US	
EVS 206/207 Introduction to Environmental Science & Lab	4	✓		ETE 243 Educational Technology I	1	✓		
EDL 300 Phonics Assessment & Instruction	3	✓		MTH 328 Measurement & Geometry for Mid Sch Teachers	3	✓	M/QL	
African American Diversity	3		DIV-AA	PHY 101 The Flying Circus of Physics: Motion and Heat	3	✓		
				EDL 305 Content Area Literacy	3	✓		
				EDL 313 Lit-Based Reading Methods for Adolescents	3	✓		
<i>Semester Total</i>	<i>16</i>			<i>Semester Total</i>	<i>18</i>			
Third Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 341 Rotation & Seminar 2: Assessment & Instruction	3	✓		EDM 351 Rotation & Seminar 3: Students as Learners	3	✓		
ESE 400 Introduction to Special Education (TAG)	3	✓	WAC	EDB 302 Psychological Foundations of Education (TAG)	3	✓	WAC	
ETE 343 Educational Technology II	1	✓		ETE 353 Educational Technology III	1	✓		
STA 323 Statistical Methods	3	✓		MTH 330 Conversational Calculus for Mid Sch Teachers	3	✓		
EDL 301 Begin/Inter Reading Instruction & Assessment	3	✓	WAC	EUT 210 Perspectives in Mathematics and Science	3	✓	A&H-WAC	
CHM 251/256 College Chemistry I & Lab	4	✓		PHY 102/103 Flying Circus of Physics: Sound & Light w/ Lab	4	✓	NS	
<i>Semester Total</i>	<i>17</i>			<i>Semester Total</i>	<i>17</i>			
Fourth Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 441 Internship I: Professionalism & Practice	6	✓		EDM 451 Internship II: Teachers as Leaders	10	✓	CAP	
EDM 442 Internship I: Seminar	3	✓		EDM 452: Internship II: Seminar	2	✓	CAP	
EDM 417 Science in Middle School (coreq EDM 441)	3	✓						
EDM 415 Mathematics in Middle School (coreq EDM 441)	3	✓						
Apply for Spring graduation prior to Nov 15th								
<i>Semester Total</i>	<i>15</i>			<i>Semester Total</i>	<i>12</i>			
Degree Total: 122 or 123 Credit Hours								

College/Program Notes:

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

Students must have a minimum of 122 total credit hours, of which a minimum of 24 credit hours must be upper division (300 or 400-level courses).

University Notes:

Gen Ed Key:	SS = Social Sciences (two courses from different departments)
INTRO = Introduction to University Life Requirement (one course)	A&H = Arts & Humanities (two courses from different departments)
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 four total SS and A&H courses, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)	

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Cleveland State University
College of Education and Human Services
Bachelor of Science in Education
Middle Childhood-Math & Language Arts

First Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
ENG 101 College Writing I	3		W/C	ENG 102 College Writing II	3		W/C	
ASC 101 Introduction to University Life	1		INTRO	MTH 326 Number Sys & Operations for Mid Sch Teachers	3	✓		
MTH 168 Precalculus II or MTH 181 Calculus I	3 or 4	✓	M/QL	PSY 221 Adolescent Psychology	3	✓	SS	
Social Science ** (from department other than Psy)	3		SS	Natural Science & Lab	4		NS	
Natural Science	3		NS	Arts and Humanities** (from dept other than ENG)	3		A&H	
<i>Semester Total</i>	<i>13 or 14</i>			<i>Semester Total</i>	<i>16</i>			
Second Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
MTH 325 Patterns, Reasoning, & Proof for Mid Sch Teachers	3	✓		EDB 241 Rotation 1: Context of Urban Education	2	✓	WAC	
ENG 310 Traditional Grammar	3	✓		EDB 242 Introduction to Education (TAG)	3	✓	DIV-US	
ENG 308 Composition Theory for Teachers	3	✓	WAC	ETE 243 Educational Technology I	1	✓		
EDL 300 Phonics Assessment & Instruction	3	✓		MTH 328 Measurement & Geometry for Mid Sch Teachers	3	✓	M/QL	
EDM 312 Writing for Middle School Teachers	3			ENG 241 Introduction to Fiction	3	✓	H&S WAC	
				EDL 305 Content Area Literacy	3	✓		
				EDL 313 Lit-Based Reading Methods for Adolescents	3	✓		
<i>Semester Total</i>	<i>15</i>			<i>Semester Total</i>	<i>18</i>			
Third Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 341 Rotation & Seminar 2: Assessment & Instruction	3	✓		EDM 351 Rotation & Seminar 3: Students as Learners	3	✓		
ESE 400 Introduction to Special Education (TAG)	3	✓	WAC	EDB 302 Psychological Foundations of Education (TAG)	3	✓	WAC	
ETE 343 Educational Technology II	1	✓		ETE 353 Educational Technology III	1	✓		
STA 323 Statistical Methods	3	✓		MTH 330 Conversational Calculus for Mid Sch Teachers	3	✓		
ENG 347 Studies in African-American Literature	3	✓	DIV AA WAC	EUT 210 Perspectives in Mathematics and Science	3	✓	A&H	
EDL 301 Begin/Inter Rdg Instruct & Assessment	3	✓	WAC	ENG 232 American Literature II	3	✓		
<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 & Practice	6	✓		EDM 451 Internship II: Teachers as Leaders	10	✓	CAP	
EDM 442 Internship I: Seminar	3	✓		EDM 452 Internship II: Seminar	2	✓	CAP	
EDM 413 Lang Arts in Middle School (coreq EDM 441)	3	✓	WAC					
EDM 415 Math in Middle School (coreq EDM 441)	3	✓						
Apply for Spring graduation prior to Nov 15th								
<i>Semester Total</i>	<i>15</i>			<i>Semester Total</i>	<i>12</i>			
Degree Total: 121 or 122 credit hours								

College/ Program Notes:

Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency. 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. Students must have a minimum of 121 total credit hours, of which a minimum of 24 credit hours must be upper division (300 or 400-level courses).

Gen Ed Key:	SS = Social Sciences (two courses from different departments)
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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 four total SS and A&H courses, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)	

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College of Education and Human Services
Bachelor of Science in Education
Middle Childhood-Science & Language Arts

First Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
ENG 101 College Writing I	3		W/C	ENG 102 College Writing II	3		W/C	
ASC 101 Introduction to University Life	1		INTRO	CHM 251/256 College Chemistry 1 & Lab	4	✓	NS	
Social Science ALAAME**	3		SS	MTH 117 Mathematical Applications in the Real World	3		M/QL	
GEO 100 Geology & GEO 101 Geology Lab	4	✓	NS	PSY 221 Adolescent Psychology	3	✓	SS	
MTH 116 Foundations Quantitative Literacy	3		M/QL	PHY 101 The Flying Circus of Physics: Motion and Heat	3	✓	NS	
<i>Semester Total</i>	14			<i>Semester Total</i>	16			

Second Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EVS 206/207 Introduction to Environmental Science & Lab	4	✓	NS	EDB 241 Rotation 1: Social Context of Urban Education	2	✓	WAC	
ENG 308 Composition Theory for Teachers	3	✓	WAC	EDB 242 Introduction to Education (TAG)	3	✓	DIV-US	
EDM 312 Writing for Middle School Teachers	3	✓		ETE 243 Educational Technology I	1	✓		
EDL 301 Begin/Intermediate Rdg Instruction & Assessment	3	✓	WAC	BIO 100/107 The Living World & Human Biology Lab	4	✓		
ENG 310 Traditional Grammar	3	✓		ENG 241 Introduction to Fiction	3	✓	A&H	
				EDL 300 Phonics Assessment & Instruction	3	✓	WAC	
<i>Semester Total</i>	16			<i>Semester Total</i>	16			

Third Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 341 Rotation & Seminar 2: Assessment & Instruction	3	✓		EDM 351 Rotation & Seminar 3: Students as Learners	3	✓		
ESE 400 Introduction to Special Education (TAG)	3	✓	WAC	EDB 302 Psychological Foundations of Education (TAG)	3	✓	WAC	
ETE 343 Educational Technology II	1	✓		ETE 353 Educational Technology III	1	✓		
ENG 347 Studies in African-American Literature	3	✓	DIV AA WAC	EUT 210 Perspectives in Mathematics and Science	3	✓	A&H	
EDL 305 Content Area Literacy	3	✓		ENG 232 American Literature II	3	✓		
EDL 313 Lit-Based Reading Methods for Adolescents	3	✓		PHY 102/103 Flying Circus of Physics: Sound & Light w/ Lab	4	✓	NS	
<i>Semester Total</i>	16			<i>Semester Total</i>	17			

Fourth Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 441 Internship I: Professionalism & Practice	6	✓		EDM 451 Internship II: Teachers as Leaders	10	✓	CAP	
EDM 442 Internship 1: Seminar	3	✓		EDM 452 Internship II: Seminar	2	✓	CAP	
EDM 413 Language Arts in Middle School (coreq EDM 441)	3	✓	WAC					
EDM 417 Science in Middle School (coreq EDM 441)	3	✓						
Apply for Spring graduation prior to Nov 15th								
<i>Semester Total</i>	15			<i>Semester Total</i>	12			

Degree Total: 122 credit hours

College/ Program Notes:

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Cleveland State University
College of Education and Human Services
Bachelor of Science in Education
Middle Childhood-Social Studies & Language Arts

First Year							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
ENG 101 College Writing I	3		W/C	ENG 102 College Writing II	3		W/C
ASC 101 Introduction to University Life	1		INTRO	Natural Science	3		NS
PSC 111 American Government	3	✓	SS	MTH 117 Mathematical Applications in the Real World	3		M/QL
Natural Science & Lab	4		NS	HIS 200 Introduction to Geography	3	✓	
MTH 116 Foundations of Quantitative Literacy	3		M/QL	PSY 221 Adolescent Psychology	3	✓	SS
HIS 111 United States History to 1877	3	✓	A&H				
<i>Semester Total</i>	17			<i>Semester Total</i>	15		
Second Year							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
ENG 310 Traditional Grammar	3	✓		EDB 241 Rotation 1: Context of Urban Education	2	✓	WAC
EDM 312 Writing for Middle School Teachers	3	✓		EDB 242 Introduction to Education	3	✓	US-DIV
ENG 308 Composition Theory for Teachers	3		WAC	ETE 243 Educational Technology I	1	✓	
EDL 300 Phonics Assessment & Instruction	3	✓		ALAAME Social Science or Arts & Humanities**	3	✓	ALAAME
HIS 102 Western Civilization II	3	✓	ALAAME	ENG 241 Introduction to Fiction	3	✓	A&H WAC
				EDL 301 Reading Instruction and Assessment	3	✓	WAC
<i>Semester Total</i>	15			<i>Semester Total</i>	15		
Third Year							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
EDM 341 Rotation & Seminar 2: Assessment & Instruction	3	✓		EDM 351 Rotation & Seminar 3: Students as Learners	3	✓	
ESE 400 Introduction to Special Education (TAG)	3	✓	WAC	EDB 302 Psychological Foundations of Education (TAG)	3	✓	WAC
ETE 343 Educational Technology II	1	✓		ETE 353 Educational Technology III	1	✓	
ECN 201 Principles of Macroeconomics	3	✓		HIS 112 United States History Since 1877	3	✓	A&H
ENG 347 Studies in African-American Literature	3	✓	DIV AA WAC	EDL 313 Lit-Based Reading Methods for Adolescents	3	✓	
EDL 305 Content Area Literacy	3	✓		ENG 232 American Literature II	3	✓	
Fourth Year							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
EDM 441 Internship I: Professionalism & Practice	6	✓		EDM 451 Internship II: Teachers as Leaders	10	✓	CAP
EDM 442 Internship I: Seminar	3	✓		EDM 452 Internship II: Seminar	2	✓	CAP
EDM 413 Language Arts in Mid School (coreq EDM 441)	3	✓	WAC				
EDM 416 Social Studies in Mid School (coreq EDM 441)	3	✓					
Apply for Spring graduation prior to Nov 15th							
<i>Semester Total</i>	15			<i>Semester Total</i>	12		
Degree Total: 121 credit hours							

College/ Program Notes:

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Bachelor of Science in Education
Middle Childhood-Social Studies & Science

First Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
ENG 101 College Writing I	3		W/C	ENG 102 College Writing II	3		W/C	
ASC 101 Introduction to University Life	1		INTRO	CHM 251/256 College Chemistry 1 & Lab	4	✓	NS	
GEO 100 Geology & GEO 101 Geology Lab	4	✓	NS	MTH 117 Mathematical Applications in the Real World	3		M/QL	
PSC 111 American Government	3	✓	SS	PSY 221 Adolescent Psychology	3	✓	SS	
MTH 116 Foundations of Quantitative Literacy	3		M/QL	PHY 101 The Flying Circus of Physics: Motion and Heat	3	✓	NS	
ALAAME Social Science or Arts and Humanities**	3	✓	ALAAME					
<i>Semester Total</i>	17			<i>Semester Total</i>	16			
Second Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
HIS 111 United States History to 1877	3	✓	A&H	EDB 241 Rotation 1: Context of Urban Education	2	✓	WAC	
ECN 201 Principles of Macroeconomics	3	✓	SS	EDB 242 Introduction to Education (TAG)	3	✓	DIV-US	
EVS 206/207 Intro to Environmental Science & Lab	4	✓		ETE 243 Educational Technology I	1	✓		
EDL 300 Phonics Assessment & Instruction	3	✓		HIS 200 Introduction to Geography	3	✓		
HIS 102 Western Civilization II	3	✓	A&H	BIO 100/107 The Living World & Human Biology Lab	4	✓		
				EDL 301 Begin/Inter Reading Instruction And Assessment	3	✓	WAC	
<i>Semester Total</i>	16			<i>Semester Total</i>	16			
Third Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 341 Rotation & Seminar 2: Assessment & Instruction	3	✓		EDM 351 Rotation & Seminar 3: Students as Learners	3	✓		
ESE 400 Introduction to Special Education (TAG)	3	✓	WAC	EDB 302 Psychological Foundations of Education (TAG)	3	✓	WAC	
ETE 343 Educational Technology II	1	✓		ETE 353 Educational Technology III	1	✓		
HIS 112 United States History Since 1877	3	✓	A&H	PHY 102/103 Flying Circus of Physics: Sound and Light & Lab	4	✓	NS	
African American Diversity	3	✓	DIV AA	EDL 313 Lit-Based Reading Methods for Adolescents	3	✓		
EDL 305 Content Area Literacy	3	✓		EUT 210 Perspectives in Mathematics and Science	3	✓	A&H	
<i>Semester Total</i>	16			<i>Semester Total</i>	17			
Fourth Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EDM 441 Internship I: Professionalism & Practice	6	✓		EDM 451 Internship II: Teachers as Leaders	10	✓	CAP	
EDM 442 Internship I: Seminar	3	✓		EDM 452 Internship II: Seminar	2	✓	CAP	
EDM 417 Science in Middle School (coreq EDM 441)	3	✓						
EDM 416 Social Studies in Middle School (coreq EDM 441)	3	✓						
Apply for Spring graduation prior to Nov 15th								
<i>Semester Total</i>	15			<i>Semester Total</i>	12			
Degree Total: 125 credit hours								

College/ Program Notes:

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Students must have a minimum of 125 total credit hours, of which a minimum of 24 credit hours must be upper division (300 or 400-level courses).

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NS = Natural Sciences (two courses, one of which must have a lab)	CAP = Capstone Requirement
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ASC 101 Introduction to University Life	1		INTRO	MTH 326 Number Sys & Operations for Mid Sch Teachers	3	✓	M/QL
MTH 168 Precalculus II or MTH 181 Calculus I	3 or 4	✓	M/QL	HIS 200 Introduction to Geography	3	✓	
PSC 111 American Government	3	✓	SS	Natural Science with Lab	4		NS
Natural Science	3		NS	African American Diversity	3		DIV-AA
ALAAME Social Science or Arts and Humanities**	3		ALAAME				
<i>Semester Total</i>	<i>16 or 17</i>			<i>Semester Total</i>	<i>16</i>		
Second Year							
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
MTH 325 Patterns, Reasoning, & Proof for Mid School Teachers	3	✓		EDB 241 Rotation 1: Social Context of Urban Education	2	✓	WAC
PSY 221 Adolescent Psychology	3	✓	SS	EDB 242 Introduction to Education (TAG)	3	✓	US-DIV
HIS 111 United States History to 1877	3	✓	A&H	ETE 243 Educational Technology I	1	✓	
HIS 102 Western Civilization II	3	✓	A&H	MTH 328 Measurement & Geometry for Mid Sch Teachers	3	✓	M/QL
EDL 300 Phonics Assessment & Instruction	3	✓		ECN 201 Principles of Macroeconomics	3	✓	SS
				EDL 301 Begin/Inter Reading Instruction & Assessment	3	✓	WAC
<i>Semester Total</i>	<i>15</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 & Instruction	3	✓		EDM 351 Rotation & Seminar 3: Students as Learners	3	✓	
ESE 400 Introduction to Special Education (TAG)	3	✓	WAC	EDB 302 Psychological Foundations of Education (TAG)	3	✓	WAC
ETE 343 Educational Technology II	1	✓		ETE 353 Educational Technology III	1	✓	
STA 323 Statistical Methods	3	✓		MTH 330 Conversational Calculus for Mid Sch Teachers	3	✓	
HIS 112 United States History Since 1877	3	✓	A&H	EDL 313 Lit-Based Reading Methods for Adolescents	3	✓	
EDL 305 Content Area Literacy	3	✓		EUT 210 Perspectives in Mathematics and Science	3	✓	A&H-WAC
<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 & Practice	6	✓		EDM 451 Internship II: Teachers as Leaders	10	✓	CAP
EDM 442 Internship I: Seminar	3	✓		EDM 452 Internship II: Seminar	2	✓	CAP
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EDM 415 Mathematics in Middle School (coreq EDM 441)	3	✓					
Apply for Spring graduation prior to Nov 15							
<i>Semester Total</i>	<i>15</i>			<i>Semester Total</i>	<i>12</i>		
Degree Total: 121-122 credit hours							

College/ Program Notes:

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

Students must have a minimum of 121 total credit hours, of which a minimum of 24 credit hours must be upper division (300 or 400-level courses).

University Notes:

Gen Ed Key:	SS = Social Sciences (two courses from different departments)
INTRO = Introduction to University Life Requirement (one course)	A&H = Arts & Humanities (two courses from different departments)
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, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)	

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