

Math Major standard sequence - revised April 2009			
Version A (students starting in 2009, 2011, ...)		Version B (students starting in 2010, 2012, ...)	
Year 1		Year 1	
CMSV 101 The First-Year Experience	0	CMSV 101 The First-Year Experience	0
ENGL 109 Literature: Visions and Values	3	ENGL 109 Literature: Visions and Values	3
PSYC 204 Core: Introduction to Psychology	3	PSYC 204 Core: Introduction to Psychology	3
ART 210 Core: The Arts Experience	3	ART 210 Core: The Arts Experience	3
HIST 214 Core: The Shaping of the Modern World	3	HIST 214 Core: The Shaping of the Modern World	3
ENGL 115 Writing for College	3	ENGL 115 Writing for College	3
MFL Modern Foreign Language I	3	MFL Modern Foreign Language I	3
MFL Modern Foreign Language II	3	MFL Modern Foreign Language II	3
free elective	3	free elective	3
Calculus I (fall)	4	Calculus I (fall)	4
Calculus II (spring)	4	Calculus II (spring)	4
	32		32
Year 2		Year 2	
ECON 110 Core: Economics	3	ECON 110 Core: Economics	3
SOC 101 Core: Sociology	3	SOC 101 Core: Sociology	3
PHIL 212 Core: The Life of Reason	3	PHIL 212 Core: The Life of Reason	3
RELS 208 Core: The Life of Faith	3	RELS 208 Core: The Life of Faith	3
BIOL 101 Concepts of Biology	3	BIOL 101 Concepts of Biology	3
CHEM 100 Core: Foundations of Chemistry	3	CHEM 100 Core: Foundations of Chemistry	3
Linear Algebra I (fall)	3	<i>Differential Equations (fall)</i>	3
Calculus III (spring)	3	Symbolic Computing (fall)	3
free electives	6	Calculus III (spring)	3
		<i>Numerical Computing (spring)</i>	3
	30		30
Year 3		Year 3	
<i>Differential Equations (fall)</i>	3	Linear Algebra I (fall)	3
Symbolic Computing (fall)	3	Introduction to Higher Geometry (fall)	3
Probability Distributions & Statistical Inference (fall)	4	<i>Vector Calculus (fall)</i>	3
Abstract Algebra I (fall)	3	<i>Linear Algebra II (spring)</i>	3
<i>Abstract Algebra II (spring)</i>	3	<i>Analysis (spring)</i>	3
<i>Numerical Computing (spring)</i>	3	Math Elective *	3
ENGL 320 World Literature	3	INTG 3XX Junior level Integrated course	3
INTG 3XX Junior level Integrated course	3	ENGL 320 World Literature	3
free electives	6	free electives	6
	31		30
Year 4		Year 4	
Introduction to Higher Geometry (fall)	3	Probability Distributions & Statistical Inference (fall)	4
<i>Vector Calculus (fall)</i>	3	Abstract Algebra I (fall)	3
<i>Analysis (spring)</i>	3	<i>Abstract Algebra II (spring)</i>	3
<i>Linear Algebra II (spring)</i>	3	<i>Math Elective *</i>	3
Two Math Electives *	6	INTG 4XX Senior level Integrated course	3
INTG 4XX Senior level Integrated course	3	free electives	12
free electives	6		
	27		28
	120		120

* Math elective: any other Math course at level 200 or higher

Math Major standard sequence for Secondary Education teachers			
Version A (students starting in 2009, 2011, ...)		Version B (students starting in 2010, 2012, ...)	
Year 1		Year 1	
CMSV 101 The First-Year Experience	0	CMSV 101 The First-Year Experience	0
ENGL 109 Literature: Visions and Values	3	ENGL 109 Literature: Visions and Values	3
PSYC 204 Core: Introduction to Psychology	3	PSYC 204 Core: Introduction to Psychology	3
ART 210 Core: The Arts Experience	3	ART 210 Core: The Arts Experience	3
HIST 214 Core: The Shaping of the Modern World	3	HIST 214 Core: The Shaping of the Modern World	3
ENGL 115 Writing for College	3	ENGL 115 Writing for College	3
MFL Modern Foreign Language I	3	MFL Modern Foreign Language I	3
MFL Modern Foreign Language II	3	MFL Modern Foreign Language II	3
BIOL 101 Concepts of Biology	3	BIOL 101 Concepts of Biology	3
Calculus I (fall)	4	Calculus I (fall)	4
Calculus II (spring)	4	Calculus II (spring)	4
	32		32
Year 2		Year 2	
ECON 110 Core: Economics	3	ECON 110 Core: Economics	3
SOC 101 Core: Sociology	3	SOC 101 Core: Sociology	3
PHIL 212 Core: The Life of Reason	3	PHIL 212 Core: The Life of Reason	3
RELS 208 Core: The Life of Faith	3	RELS 208 Core: The Life of Faith	3
CHEM 100 Core: Foundations of Chemistry	3	CHEM 100 Core: Foundations of Chemistry	3
Linear Algebra I (fall)	3	Symbolic Computing (fall)	3
Calculus III (spring)	3	Numerical Computing (spring)	3
EDUC 211 Education and Society (fall)	3	Calculus III (spring)	3
EDUC 212 Psychology of Teaching and Learning (fall)	3	EDUC 211 Education and Society (fall)	3
EDUC 340 Intro Students with Disabilities (spring)	3	EDUC 212 Psychology of Teaching and Learning (fall)	3
		EDUC 340 Intro Students with Disabilities (spring)	3
	30		33
Year 3		Year 3	
Abstract Algebra I (fall)	3	Linear Algebra I (fall)	3
Symbolic Computing (fall)	3	Introduction to Higher Geometry (fall)	3
Probability Distributions & Statistical Inference (fall)	4	Analysis (spring)	3
Numerical Computing (spring)	3	Math Elective *	3
Math Elective *	3	ENGL 320 World Literature	3
COMM 205	3	COMM 205	3
EDUC 327 Teaching Literacy/Secondary School	3	EDUC 327 Teaching Literacy/Secondary School	3
EDUC 360-4 Teaching Middle/Secondary Schools	3	EDUC 360-4 Teaching Middle/Secondary Schools	2
EDUC 366 Practicum IV	2	EDUC 366 Practicum IV	3
PSYC 346 Adolescent Psychology	3	PSYC 346 Adolescent Psychology	3
INTG 3XX Junior level Integrated course	3	INTG 3XX Junior level Integrated course	3
	33		32
Year 4		Year 4	
Introduction to Higher Geometry (fall)	3	Abstract Algebra I (fall)	3
Analysis (spring)	3	Probability Distributions & Statistical Inference (fall)	4
Math Elective *	3	Math Elective *	3
ENGL 320 World Literature	3	INTG 4XX Senior level Integrated course	3
INTG 4XX Senior level Integrated course	3	EDUC 425 Student Teaching	7
EDUC 425 Student Teaching	7	EDUC 304 Health Education in Schools	1
EDUC 304 Health Education in Schools	1	EDUC 322/324/470/722/724	3
EDUC 322/324/470/722/724	3	EDUC 365 Practicum III	1
EDUC 365 Practicum III	1		
	27		25
	122		122
* Math elective: any other Math course at level 200 or higher			

Math Major standard sequence for Elementary Education teachers			
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ENGL 109 Literature: Visions and Values	3	ENGL 109 Literature: Visions and Values	3
PSYC 204 Core: Introduction to Psychology	3	PSYC 204 Core: Introduction to Psychology	3
ART 210 Core: The Arts Experience	3	ART 210 Core: The Arts Experience	3
HIST 214 Core: The Shaping of the Modern World	3	HIST 214 Core: The Shaping of the Modern World	3
ENGL 115 Writing for College	3	ENGL 115 Writing for College	3
MFL Modern Foreign Language I	3	MFL Modern Foreign Language I	3
MFL Modern Foreign Language II	3	BIOL 101 Concepts of Biology	4
Calculus I (fall)	4	Calculus I (fall)	3
Calculus II (spring)	4	Calculus II (spring)	4
Computational Math with Spreadsheets	3	Computational Math with Spreadsheets	3
	32		32
Year 2		Year 2	
ECON 110 Core: Economics	3	ECON 110 Core: Economics	3
SOC 101 Core: Sociology	3	SOC 101 Core: Sociology	3
PHIL 212 Core: The Life of Reason	3	PHIL 212 Core: The Life of Reason	3
RELS 208 Core: The Life of Faith	3	RELS 208 Core: The Life of Faith	3
CHEM 100 Core: Foundations of Chemistry	3	CHEM 100 Core: Foundations of Chemistry	3
BIOL 101 Concepts of Biology	3	MFL Modern Foreign Language II	3
Linear Algebra I (fall)	3	Symbolic Computing (fall)	3
Calculus III (spring)	3	Calculus III (spring)	3
EDUC 211 Education and Society (fall)	3	EDUC 211 Education and Society (fall)	3
EDUC 212 Psychology of Teaching and Learning (fall)	3	EDUC 212 Psychology of Teaching and Learning (fall)	3
EDUC 340 Intro Students with Disabilities (spring)	3	EDUC 340 Intro Students with Disabilities (spring)	3
	33		33
Year 3		Year 3	
Symbolic Computing (fall)	3	Linear Algebra I (fall)	3
Probability Distributions & Statistical Inference (fall)	4	Introduction to Higher Geometry (fall)	3
MATH 222 Math for Elementary School Teachers (spring)	3	MATH 222 Math for Elementary School Teachers (spring)	3
EDUC 323 Practicum I (fall)	3	COMM 205 Effective Speech	3
EDUC 324 teaching Science and Social Studies (fall)	3	EDUC 323 Practicum I (fall)	3
EDUC 326 Teaching Literacy (fall)	3	EDUC 324 teaching Science and Social Studies (fall)	3
EDUC 322 Teaching Math (spring)	3	EDUC 326 Teaching Literacy (fall)	3
EDUC 325 Practicum II (spring)	3	EDUC 322 Teaching Math (spring)	3
COMM 205 Effective Speech	3	EDUC 325 Practicum II (spring)	3
INTG 3XX Junior level Integrated course	3	INTG 3XX Junior level Integrated course	3
	31		30
Year 4		Year 4	
Introduction to Higher Geometry (fall)	3	Probability Distributions & Statistical Inference (fall)	4
Math Elective *	3	Math Elective *	3
ENGL 320 World Literature	3	ENGL 320 World Literature	3
PSYC 345 Child Psychology	3	PSYC 345 Child Psychology	3
EDUC 431 Student teaching	7	EDUC 431 Student teaching	7
EDUC 304 Health Education in Schools	1	EDUC 304 Health Education in Schools	1
<i>EDUC 360 Teaching Subject Content</i>	3	<i>EDUC 360 Teaching Subject Content</i>	3
<i>EDUC 365 Practicum Middle School</i>	1	<i>EDUC 365 Practicum Middle School</i>	1
EDUC 428 Assessment/Remediation	3	EDUC 428 Assessment/Remediation	3
INTG 4XX Senior level Integrated course	3	INTG 4XX Senior level Integrated course	3
	30		31
	126		126
* Math elective: any other Math course at level 200 or higher			