

Requirements for Illinois State Endorsement in Teaching Mathematics in the Middle Grades

	Area Required by the State	University of Chicago Course Name	University of Chicago Course #	
You need 5 courses in at least four of these seven areas	1	Calculus	Math 51100	
		Advanced Calculus	Math 52500	
	2	Computer Science	Math 50800	
	3	Appl Geom/Comp	Math 50100	
		Geometry	Math 50500	
		Advanced Geometry w/ Comp App	Math 52000	
	4	History of Mathematics	Math 51000	
	5	Math Content for Elem Schools	Mathematical Strategies I	Math 51600
			Mathematical Strategies II	Math 51700
			Mathematical Strategies III	Math 51800
Teaching Integrated Mathematics and Science (TIMS)			Math 50700	
Math for Elem Schl – Singapore Curriculum			Math 51400	
Intro to Algebra (Algebra I) for Elem Schs			Math 50900	
Algebra II for Elem Schs			Math 52200	
Algebra III for Elem Schs			Math 52300	
6	Number Theory / Modern Algebra	Number Theory	Math 50300	
		Modern Algebra for HS Teachers	Math 51900	
		Advanced Number Theory	Math 52100	
7	Probability and Statistics	Probability	Math 50400	
		AP Statistics Institute	Math 52400	
You must take these 3 required courses	R1	Required for IL Endorsement Middle Grade Curriculum, Philosophy, and Instructional Methods	Math 51200	
	R2	Required for IL Endorsement Early Adolescent Psychology	Math 51300	
	R3	Required for Math Endorsement Methods of Teaching Math Grades 6-8	Math 50600	

Requirements for Illinois State Endorsement in Teaching General Science in the Middle Grades

	Area Required by the State	University of Chicago Course Name	University of Chicago Course #	
You need a total of 6 science classes. At least one should be a Physical Sci. and at least one should also be a Biological Sci.	1	Physics for the Middle Grades	Phsc 50000	
		Chemistry	Phsc 50200	
		Astronomy	Phsc 50300	
		Materials Science	Phsc 50400	
		Earth Science for the Middle Grades	Phsc 50500	
		Scaling in Nature: Dimensional Analysis and Fractals in Physics	Phsc 50900	
	2	Biological Science	Evolution and Genetics	Bios 50100
			Cells and Multicellular Organisms	Bios 50000
			Environmental Science	Bios 50700
			Plant Science for the Middle Grades	Bios 50800
		Biochemistry for the Middle Grades	Bios 50900	
		Microbiology for the Middle Grades	Bios 51000	
You must take these 2 required courses	R1	Required for IL Endorsement Middle Grade Curriculum, Philosophy, and Instructional Methods	Math 51200	
	R2	Required for IL Endorsement Early Adolescent Psychology	Math 51300	