

Secondary Teacher Preparation in Math Fast Track: Sample 4-year plan



Note to students: The fast track in mathematics teacher preparation is for highly-motivated students who like mathematics and are good at it. The schedule below assumes that you are entering Westmont with credit for MA-9 and MA-10; Calculus I & II. Requirements will differ if you enter Westmont without AP or college credit. Remember that this is a SAMPLE. Your schedule, for many reasons, will probably not end up looking exactly like this. What's shown is a "fast-track" schedule. Be aware that you also have the option of completing the Math major over a four-year period, with a fifth year reserved for your teaching credential. Please confer with Math department advisor as major requirements sometimes change. Pre-requisites for the Education Program are in bold.

	Fall	units	Spring	units
First Year	MA 19: ¹ Multivariable Calculus (CS: B)	4	MA 15: Discrete Mathematics (CI: D)	4
	GE Common Context (see options below)	4	MA 20: Linear Algebra	4
	GE Common Context	4	GE Common Context	4
	GE Common Skill: Foreign Language	4	ENG 2: Composition (CS: A1)	4
	PE 32: Fitness for Life (CS: D)	1	PEA (CS: D)	1
	Total Units	17		17
Second Year	MA 108 Analysis or MA 110: Mod. Algebra (CS: A2)	4	GE Common Context	4
	MA Breadth	4	GE Common Inquiry: Physical Science ²	4
	GE Common Context	4	GE Common Inquiry: A, C, E, G, H	4
	GE Common Inquiry: A, C, E, G, H	4	ENG 106: Language Acquisition	4
	KNS 156: Health Education	2	ED 161: Computers for the Classroom	2
	PEA (CS: D)	1		
	Total Units	19 overload		18
Third Year	ED 105: Cultural Diversity (CI: F)	4	GE Common Inquiry: A, C, E, G, H	4
	GE Common Inquiry: A, C, E, G	4	GE Common Inquiry: A, C, E, G, H	4
	MA 108 Analysis or MA 110: Modern Algebra	4	ED 101: Explorations in Teaching (CA: 1)	4
	MA Breadth	4	Elective	4
	MA 180: Problem Solving Seminar	1	MA 180: Problem Solving Seminar	1
	PEA (CS: D)	1		
	Total Units	18		13
Fourth Year	MA – Capstone (CCA: A3)	4	ED 151: Curriculum, Management, Instruction	2
	ED 111: Educational Psychology	4	ED 191: Student Teaching	12
	ED 124: Mathematics Curri. & Instruc. Planning	4	ED 196: Student Teaching seminar	3
	ED 171: Content Area Literacy	4		
	ED 130: Special Education	2		
	Total Units	18		17

Courses in bold print are pre-requisites for the ED program.

Westmont General Education Requirements

Common Context (CC)	Common Inquiries (CI)	Common Skills (CS)	Compassionate Action (CA)
RS 1: Old Testament RS 10: New Testament RS 20: Christian Doctrine PHI 6: Philosophical Reflections HIS 10: World History Christian Pers.	A. Reading Imaginative Literature B. Exploring the Physical Sciences C. Exploring the Life Sciences D. Reasoning Abstractly E. Working Artistically F. Thinking Globally G. Thinking Historically H. Understanding Society	A1. Writing for the Liberal Arts A2. Writing within the major A3. Writing outside the major Writing requirements are often fulfilled while taking other classes. B. Quantitative/Analytical Reasoning C. Modern/Foreign Language D. Physical Education (4 classes)	One course: B1. Serving Society; Enacting Justice B2. Communicating Cross-culturally

Assumptions underlying this plan:

- This program will work for the BA degree, but not for the BS degree.
- This program will work only for a very talented student in two respects, namely (1) that the student be able to begin the program with third-semester calculus in the fall of the first year; and (2) that the student take the first foundational course in our major (MA 108 or MA 110) in the second year—this program has been a challenge for students in the past.
- GE requirements for Reasoning Abstractly and Quantitative & Analytical Reasoning will be fulfilled within major.

¹ This schedule assumes that student entered with AP credit for MA 9 and MA 10

² Student should take a course that also fulfills major options (e.g. CHM 5 or PHY 21)