

Mathematics (2008-2009)

Elementary Education

This is a **general curriculum** guide and is not applicable to every student and is not a replacement for meeting with your advisor.

-Student is starting in MTH 110-

Fall Semester – Year One	credits	Winter Semester- Year One	credits
MTH 110: Algebra	4	MTH 122: College Algebra (<i>Gen Ed</i>)	3
WRT 150: Strategies in Writing	4	MTH 123: Trigonometry	3
Gen Ed.	3	ED 200: Introduction to Education*	3
Gen Ed.	3	PSY 101: Introductory Psychology (<i>Gen Ed.</i>)	3
<i>Total</i>	14	<i>Total</i>	15
Fall Semester – Year Two	credits	Winter Semester – Year Two	credits
MTH 201: Calculus I	5	MTH 202: Calculus II	4
MTH 221: Mathematics for Elementary Teachers I*	4	MTH 222: Mathematics for Elementary Teachers II*	3
PSY 301: Child Development*	3	ED 225: Diversity in Education* (<i>Gen Ed</i>)	3
ED 205: Computers in Education*	3	PSY 325: Educational Psychology*	3
Social Science Elective* (<i>Gen Ed</i>) ¹	3	PED 305: Movement Education* OR	3
<i>Total</i>	18	<i>Total</i>	16
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
MTH 210: Communications in Mathematics	3	MTH 310: Modern Algebra I	3
MTH 227: Linear Algebra	3	MTH 323: Probability and Statistics for Elementary Teachers	3
MTH 322: Geometry for Elementary Teachers	3	WRT 305: Writing in the Disciplines ⁴	3
ART 230: Art for the Classroom Teacher* OR	4 or 3	MTH Cognate ³	3
MUS 350: Music for the Classroom Teacher*	3	ENG 308: Teaching Reading: The Necessary Skills*	3
Language Arts Elective ^{1*}	3	<i>Total</i>	15
<i>Total</i>	15 or 16	<i>Total</i>	15
Spring and Summer Semester – Year Three			credits
MTH 341: Euclidean Geometry (Even Year) OR MTH 345: Discrete Mathematics (Odd Year)			3
Gen Ed.			3
<i>Total</i>			6
Fall Semester – Year Four	credits	Winter Semester – Year Four	credits
MTH 341: Euclidean Geometry (Odd Year) OR	3	MTH 324: Algebra for Elementary Teachers	3
MTH 345: Discrete Mathematics (Even Year)	3	MTH 495: Nature of Modern Mathematics ⁶	3
STA 312: Probability and Statistics	3	Gen Ed. or Theme	3
Lab Science Elective ^{5*} (<i>Gen Ed</i>)	3	Gen Ed. or Theme	3
Gen Ed. or Theme	3	Gen Ed.	3
Gen Ed.	3	<i>Total</i>	15
<i>Total</i>	15	<i>Total</i>	15
Fall Semester – Year Five	credits	Winter Semester – Year Five	credits
ED 330: Methods and Strategies of Elementary	5	ED 430: Student Teaching, Elementary	10
ED 350: Current Practices in Elementary Education	1	ED 480: Professional Development in Teacher Education	2
ED 310: Managing Classroom Environments	3		
ED 320: Reading: Assessment and Corrective Techniques	3		
<i>Total</i>	12	<i>Total</i>	12

Notes:

* These courses are prerequisites to the College of Education and include the elementary distributed minor. Student must have a minimum GPA of 2.7 in these classes, and their major. **Consult with your advisor!**

¹ ECO 201, ECO 211, GPY 235, HST 203, HST 204, HST 205, HST 206, POL 102, SOC 280 fulfill this requirement.

² Students who pass out of WRT 305 have room to take a GenEd, Theme, or elective course in this semester.

³ Choose one course from the following: BIO 355, BIO 375, CHM 351, CS 160, CS 162, ECO 480, EGR 304, GEO 440, GEO 470, HSC 201, PHY 220, PHY 230, PSY 300, SCI 226, SS 300, STA 314, STA 345, or STA 412.

⁴ WRT 219, ENG 307, or 309, or any foreign language course fulfills this elective.

⁵ Fulfillment of one of the Natural Science Requirements with a lab (from the general education program)

⁶ Capstone requirement.

Special Notes:

A. This is a **general** curriculum guide and will not work for everyone, especially those students who have AP or CLEP credit.

B. Courses that have (*Gen Ed*) written after them are classes that are required in the major and also fulfill a section of the general education program.

C. Remember to fulfill your 2 SWS requirements; 1 can be taken in the gen ed program and 1 in your major.

D. Some classes are in multiple sections within the gen ed. If you take a course that can be counted in two categories, you can open up 1-2 more spots for mathematics electives.

E. You must have **120 credits** to graduate from Grand Valley State University. The last 30 credits must be earned in GVSU courses.

It is imperative to meet with your faculty advisor or an advisor in the CLAS Academic Advising Center early in your career.

The CLAS Academic Advising Center is located in C-1-140 MAK, 616-331-8585.

Online at: <http://www.gvsu.edu/clasadvising>

Prepared by CLAS Academic Advising Center and the Department of Mathematics – 10/09/08