

Mathematics (2010-2011)

Elementary Certification

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	PSY 101: Introductory Psychology (<i>Gen Ed</i>)	3
Gen Ed.	3	Gen Ed.	3
<i>Total</i>	14	Gen Ed.	3
		<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	SCI 225: Integrated Life Sciences for K-8 (<i>Gen Ed</i>)*	4
ED 315: Diverse Perspectives on Education (<i>Gen Ed</i>)*	3	PED 265: Teaching Health in Elementary Schools*	2
<i>Total</i>	15	PED 266: Move, Dance, Learn!*	2
		<i>Total</i>	15
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
MTH 210: Communicating in Mathematics	3	MTH 345: Discrete Mathematics	3
MTH 227: Linear Algebra I	3	MTH 323: Probability and Statistics for Elementary Teachers	3
MTH 322: Geometry for Elementary Teachers	3	WRT 305: Writing in the Disciplines ¹	3
SCI 226: Integrated Physical Sciences for K-8(<i>GenEd</i>)*	3	ENG 302: Introduction to Language Arts*	3
ED 337: Introduction to Learning and Assessment*	3	ENG 308: Teaching Reading: The Necessary Skills*	4
<i>Total</i>	15	<i>Total</i>	16
Spring and Summer Semester – Year Three			credits
MTH 341: Euclidean Geometry			3
Gen Ed.			3
<i>Total</i>			6
Fall Semester – Year Four	credits	Winter Semester – Year Four	credits
MTH 310: Modern	3	ED 310: Organizing and Managing Classroom Environments	3
MTH 324: Algebra for Elementary Teachers	3	ED 320: Reading: Assessment and Instruction	3
MAT 300: Music, Art, and Theater for Elementary Education*	3	ED 330: Teacher Assisting: Elementary	5
SST 309: Social Studies for Elementary Teachers*	3	ED 370: Technology in Education**	3
Gen Ed. or Theme	3		
<i>Total</i>	15	<i>Total</i>	14
Fall Semester – Year Five	credits	Winter Semester – Year Five	credits
STA 312: Probability and Statistics	3	ED 430: Student Teaching, Elementary	10
MTH 495: Nature of Modern Mathematics ²	3	ED 485: The Context of Educational Issues	3
ED 378: Universal Design for Learning: Elementary**	3		
Gen Ed. or Theme	3		
Gen Ed.	3		
<i>Total</i>	15	<i>Total</i>	13

Notes:

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

** ED 370 and/or ED 378 may be taken during or after Assisting but must be taken before Student Teaching.

¹ Students who pass out of WRT 305 have room to take a GenEd, Theme, or elective course in this semester.

² Capstone requirement.

Special Notes:

- This is a **general** curriculum guide and will not work for everyone, especially those students who have AP or CLEP credit.
- Courses that have (*Gen Ed*) written after them are classes that are required in the major or minor and also fulfill a section of the general education program.
- Remember to fulfill your 2 SWS requirements; 1 can be taken in the gen ed. program and 1 in your major.
- 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.
- 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 – 4/17/2010