

Mathematics (2012-2013)

Secondary Teacher 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 201-

Fall Semester – Year One	credits	Winter Semester- Year One	credits
MTH 201: Calculus I (<i>Gen Ed</i>)	5	MTH 202: Calculus II	4
WRT 150: Strategies in Writing (<i>Gen Ed</i>)	4	MTH 210: Communicating in Mathematics (<i>SWS</i>)	3
Gen Ed.	3	PSY 101: Introductory Psychology (<i>Gen Ed.</i>)	3
Minor Elective	3	Minor Elective	3
Total	15	Total	13
Fall Semester – Year Two	credits	Winter Semester – Year Two	credits
MTH 203: Calculus III	4	MTH 345: Discrete Mathematics	3
MTH 227: Linear Algebra I	3	STA 312: Probability and Statistics	3
PSY 301: Child Development*	3	ED 337: Introduction to Learning and Assessment*	3
ED 315: Diverse Perspectives on Education (<i>Gen Ed</i>)*	3	Gen Ed.	3
Total	13	Minor Elective	3
		Total	15
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
MTH 310: Modern Algebra I	3	MTH 341: Euclidean Geometry	3
MTH 229: Mathematical Activities for Secondary Teachers	3	MTH Cognate ¹	3
Gen Ed.	3	Gen Ed.	3
Gen Ed.	3	Minor Elective	3
Minor Elective	3	Minor Elective	3
Total	15	Total	15
Fall Semester – Year Four	credits	Winter Semester – Year Four (Teacher Assisting)	credits
MTH 329: Teaching Middle Grades Math	3	ED 331: Methods and Strategies of Secondary Teaching	5
MTH Elective ²	3	ED 310: Organizing & Managing Classroom Environments	3
Gen Ed.	3	ED 321: Content Area Literacy	3
Gen Ed.	3	ED 370: Technology in Education**	3
Minor Elective	3	Total	14
Total	15		
Fall Semester – Year Five	credits	Winter Semester – Year Five (Student Teaching)	credits
MTH 495: Nature of Modern Mathematics ³	3	ED 431: Student Teaching, Secondary	10
ED 379: Universal Design for Learning: Secondary**	3	ED 485: The Context of Educational Issues	3
Gen Ed.	3		
Gen Ed.	3		
Minor Elective/Elective	3		
Total	15	Total	13

The block tuition rate is for 12-15 credits. You will pay additional tuition for any credits over 15.

Notes:

* These are the pre-admission courses to the College of Education and must be completed with a minimum cumulative GPA of 2.7 and no grade lower than C. Secondary teacher certification students must also have a teachable minor. **Consult with your advisor for options!**

** ED 370 and/or ED 379 may be taken during or after Teacher Assisting but must be taken before Student Teaching.

¹ Choose one course from the following: BIO 355, BIO 375, CHM 351, CIS 160, CIS 162, CIS 261, ECO 342, ECO 480, EGR 304, GEO 440, GEO 470, HSC 201, PHI 203, PHY 230, PSY 300, STA 314, STA 345, or STA 412.

² Select one math elective from the following courses: MTH 300, 304, 327, 360, 400, 401, 402, 405, 408, 409, 410, 431, 441, 465, 495, or 496. **Elective must be different than the capstone.**

³ 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 and also fulfill a section of the general education program.
- Complete a total of two courses with an SWS attribute.
- 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 – 3/9/2012