

# Mathematics (2010-2011)

## General

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	3
WRT 150: Strategies in Writing	4	MTH 123: Trigonometry	3
Gen Ed.	3	Gen Ed.	3
Gen Ed.	3	Gen Ed.	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
CIS 160: Programming with Visual Basic <b>OR</b>	3 or 4	MTH 210: Communicating in Mathematics	3
CIS 162: Computer Science I (suggested)		Elective	3
Gen Ed.	3	Gen Ed.	3
Gen Ed.	3	Gen Ed.	3
<i>Total</i>	14 or 15	<i>Total</i>	16
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
MTH 203: Calculus III	4	MTH 310: Modern Algebra I	3
MTH 227: Linear Algebra I	3	WRT 305: Writing in the Disciplines <sup>2</sup>	3
MTH Elective <sup>1</sup>	3	MTH Elective	3
Gen Ed. or Theme	3	Elective	3
Elective	3	Elective	3
<i>Total</i>	16	<i>Total</i>	15
Fall Semester – Year Four	credits	Winter Semester – Year Four	credits
MTH 408: Advanced Calculus I <sup>3</sup>	3	MTH 410: Modern Algebra II OR	3
STA 312: Probability and Statistics	3	MTH 409: Advanced Calculus II <sup>5</sup>	
MTH Elective or Cognate <sup>4</sup>	3	MTH 495: Nature of Modern Mathematics*	3
Gen Ed. or Theme	3	MTH Cognate	3
Gen Ed. or Theme	3	Gen Ed. or Theme	3
<i>Total</i>	15	Elective	3
		<i>Total</i>	15

### Notes:

\* Capstone course.

<sup>1</sup> For a total of 11 courses in Mathematics (at the 200 level or above), students can choose from the following: MTH 300, MTH 304, MTH 327, MTH 341, MTH 345, MTH 360, MTH 400, MTH 402, MTH 405, MTH 409, MTH 410, MTH 431, MTH 441, or MTH 465.

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

<sup>3</sup> MTH 408 is only offered fall semester.

<sup>4</sup> Choose one course from the following: BIO 355, BIO 375, CHM 351, ECO 342, ECO 480, EGR 304, GEO 440, GEO 470, HSC 201, PHY 230, PSY 300, SS 300, STA 314, or STA 412.

<sup>5</sup> MTH 410 is only offered winter semester. MTH 409 is only offered winter semester of even numbered years. This is the completion of the upper level two part math sequence. Other sequences that may be chosen are: MTH 310 and 410, or MTH 341 and 431, or MTH 300 and 400, or MTH 345 and 360. Talk with your advisor about the most appropriate sequence for you.

### 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.
- 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 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 – 4/19/2010**