

Mathematics (2011-2012)

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 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 | 4 | MTH 210: Communicating in Mathematics (SWS) | 3 |
| Gen Ed. | 3 | Gen Ed. | 3 |
| Gen Ed. | 3 | Gen Ed. | 3 |
| | | Gen Ed. | 3 |
| Total | 15 | Total | 16[#] |
| Fall Semester – Year Two | credits | Winter Semester – Year Two | credits |
| MTH 203: Calculus III | 4 | MTH Elective ¹ | 3 |
| MTH 227: Linear Algebra I | 3 | MTH Elective or cognate ² | 3 |
| CIS 160: Programming with Visual Basic <i>OR</i> | 3 | Gen Ed. | 3 |
| CIS 162: Computer Science I <i>OR</i> | 4 | Gen Ed. | 3 |
| EGR 261: Structured Programming in C | 3 | Elective | 3 |
| Gen Ed. | 3 | | |
| Total | 14/15 | Total | 15 |
| Fall Semester – Year Three | credits | Winter Semester – Year Three | credits |
| MTH 310: Modern Algebra I | 3 | MTH 410: Modern Algebra II ³ | 3 |
| STA 312: Probability and Statistics | 3 | Gen Ed. or Theme | 3 |
| Gen Ed. or Theme | 3 | Gen Ed. or Theme | 3 |
| Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Total | 15 | Total | 15 |
| Fall Semester – Year Four | credits | Winter Semester – Year Four | credits |
| MTH 408: Advanced Calculus I | 3 | MTH 495: Nature of Modern Mathematics* | 3 |
| MTH Elective or cognate | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Total | 15 | Total | 15 |

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

Notes:

* Capstone course.

¹ For a total of 11 courses in Mathematics (at or beyond the 200 level), students can choose from the following: MTH 300, MTH 304, MTH 327, MTH 341, MTH 345, MTH 360, MTH 400, MTH 401, MTH 402, MTH 405, MTH 409, MTH 410, MTH 431, MTH 441, or MTH 465.

² Choose one course from the following: BIO 355, BIO 375, CHM 351, ECO 342, ECO 480, EGR 304, GEO 440, GEO 470, HSC 201, PHI 203, PHY 230, PSY 300, STA 314, or STA 412.

³ 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. Sequences that may be chosen are: MTH 310 and 410, or MTH 408 and MTH 409, or MTH 341 and 431, or MTH 300 and 400, MTH 300 and 401, 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.
- Complete a total of two courses with an SWS attribute. The two SWS courses may not be taken from the same department or school. One must be from outside the student's major unit.
- 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 – 3/9/2011