

GEN 103/104: *Special Topics in College Mathematics* Resources for Academic Achievement (REACH)



General Overview

- **GEN 103 and GEN 104** are...
 - Intervention courses in algebra.
 - One credit hour (elective credit only).
 - Computer-based (using Hawkes Learning) and self-accelerated.
 - Customized for each student, based on the student's major and areas of need.
 - Taught using guided instruction and mastery learning (with minimal lecturing).
 - Graded Pass/Fail. (Students must complete the course materials and pass a comprehensive final exam to pass the course.)
 - Offered in the fall, spring, and summer and meet twice a week, either MW or TTh, for 50 minutes each class period (90 minutes per day M-F in the summer).
- Both courses have a strict attendance policy (no more than 4 unexcused absences).
- **GEN 103** is the non-STEM version of the course and is designed for students who only need a basic math credit (MATH 105: *Contemporary Mathematics*) for their program.
- **GEN 104** is the STEM version of the course and is designed for students who need any MATH course other than MATH 105 (e.g., MATH 111 or 151) for their major/program.

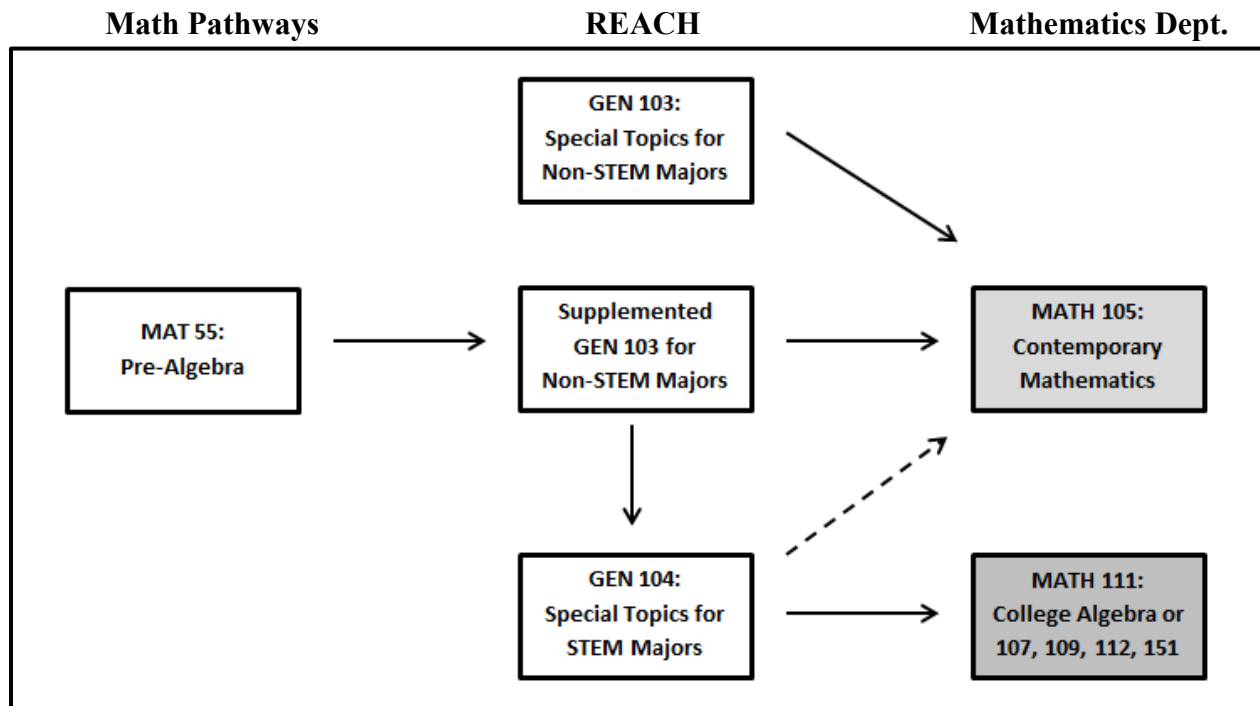
Supplemented GEN 103

- **Supplemented GEN 103** will replace MAT 65: *Basic Algebra* starting Fall 2017. It will include the same topics as GEN 103; however, students will be required to attend at least one hour of mathematics tutoring per week at REACH. This new course will serve as a prerequisite for MATH 105 and GEN 104.
- **Regular GEN 103** sections will have the following section numbers: **01-10, 75-76** (20-29, 30-39 during summer terms).
- **Supplemented GEN 103** sections will have the following section numbers: **40-49**.

Placement Information

- Students with an ACT Math subscore of 0-18 (or SAT math subscore of 200-490) should take the ACCUPLACER Arithmetic exam. Otherwise, they must enroll in MAT 55.
- Placement is then based on students' ACCUPLACER Arithmetic exam score:
 - ARTH 200-249: MAT 55
 - ARTH 250-262: Supplemented GEN 103
 - ARTH 263-300: Regular GEN 103 or GEN 104.
- Students with an ACT Math subscore of at least 19 (or SAT math subscore of at least 500) are also eligible for Regular GEN 103 or GEN 104.

Flowchart for Intervention/Entry-Level Mathematics Courses (2017-18)



Common Final Exam

- REACH Math Resources has developed a common final exam for both GEN 103 and GEN 104. Each exam currently consists of 20 multiple-choice questions.
- Students must earn a score of 70% or higher on our final exam to pass the course. (Note that students who finish the course by an established early-completion date have two opportunities to take the final exam.)

Contacts for Intervention and Entry-Level Mathematics Courses

- **MAT 55: Pre-Algebra** is taught in the Math Pathways Department (through JCTC).
 - Contacts: George Kistner (lgkist01@louisville.edu) or Drew Wilkerson (drew.wilkerson@kctcs.edu)
- **GEN 103** and **GEN 104** are taught at REACH.
 - **Contacts: Jonathan Watkins** (jdwat01@louisville.edu; 852-8099) or **Carrye Wilkins** (cywilk01@louisville.edu; 852-7434)
- All courses with a **MATH** prefix are taught in the Mathematics Department.
 - Contacts: Dr. Thomas Riedel (thomas.riedel@louisville.edu) or Dr. Robert Powers (robert.powers@louisville.edu)