

## **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.

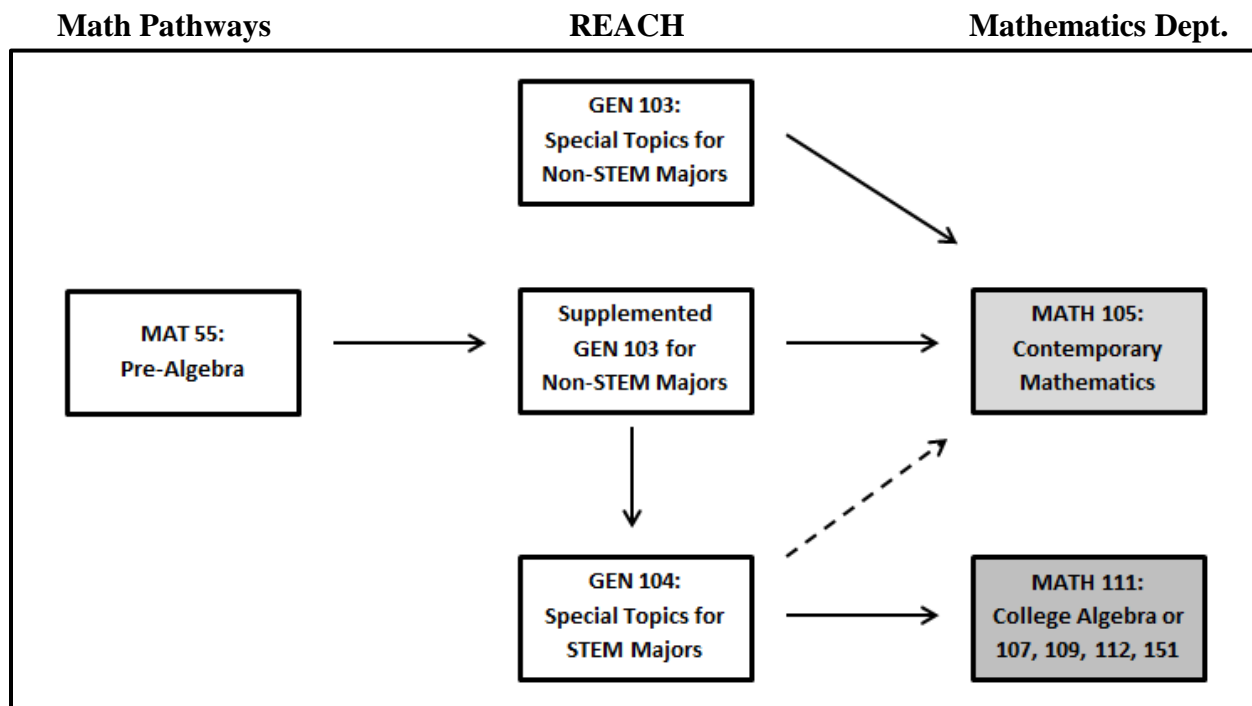
### **Supplemented GEN 103**

- **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 (jdwatk01@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)