



## University of Louisville College Readiness—Intervention Course GEN 104-Special Topics: College Mathematics for STEM Majors

The state-wide, college readiness standard in college mathematics is an **ACT Mathematics sub score of 19**. In compliance with state law, the university requires that all first-year, degree-seeking students who are admitted to the university be placed in mathematics by placement test scores. First-year students and transfer students under 24 credit hours who have earned an ACT Mathematics subscore of 18 (or equivalent SAT math score) must participate in Compass Math placement testing and enroll in a mathematics course during their first college semester as determined by the placement test results. Placement in GEN 104 is based on the following: a minimum Compass Algebra score of 31; completion of MAT 065 or other equivalent course; Compass scores not high enough to be eligible for an appropriate general education mathematics course for the intended major; **MATH 111 or mathematics course other than MATH 105 required for intended major**. Advisors working with students are obliged to assist them in developing an individual schedule of classes that meets this state-mandate and university requirement.

- GEN 104 reviews Algebra content and math study strategies with curriculum specifically designed for entry-level University of Louisville math courses **for STEM majors**. Students receive 1 hour of college credit (elective credit only) for GEN 104.
- GEN 104 meets 2 days a week for 50 minutes sessions. Course components include the following:
  - Computer-aided instruction based on individual needs
  - Topics required for entry-level mathematics course
  - Both face-to-face and email communication
  - Homework: Online with computer program and in a printed course pack
  - Mini-lectures and peer group work.
- GEN 104 is open-ended; students can complete their required course curriculum and demonstrate mathematics competency through testing at any time.
  - A student who is unable to demonstrate competency in one semester will be required to register again for GEN 104 for a subsequent semester and until the student has achieved competency for the first appropriate general education mathematics course required for the major.
  - Students can test for possible placement into entry-level math courses throughout the semester.

**The Mathematics Compass test** can be taken by appointment at UofL Testing Services at any time before course registration. The Mathematics Compass test also may be taken during scheduled UofL Testing Services sessions during each Summer Orientation. If you have completed the Compass for mathematics and/or the KYOTE math exam at your high school or in the past, you may want to check that these scores have been sent to UofL Testing Services. For more information, please contact Testing Services at 852-6606.

**Questions about GEN 104?** Please contact Jonathan Watkins, GEN 104 Coordinator, at [jdwat01@louisville.edu](mailto:jdwat01@louisville.edu) or 852-8099, OR Carrye Wilkins, Associate Director for Math Resources at [cywilk01@louisville.edu](mailto:cywilk01@louisville.edu) or 852-7434.