

GEC Mathematics Advising Guide: MAT 101 or MAT 100

Does my advisee need MAT 101 or MAT 100?

Will the student have to take more math classes after their GEC requirement?

Yes – Student must take MAT 101.

No – Student can choose between MAT 101 or MAT 100.

If my advisee has a choice, how do I know which course they should enroll in?

NOTE: 100 is NOT easier than 101. It is just different. Hard work is required in both classes.

Use the sample content information below to help a student decide:

By the end of MAT 101, students will know how to answer each of the following:

1. Sally is working as a salesperson and has the option of being paid a monthly salary of \$1800 or of being paid a monthly salary of \$1500 with 10% commission on her sales. For what amount of monthly sales will the two options be equal?
2. A ball is thrown directly upward from a height of 4 ft with an initial velocity of 48 ft/sec. The function $s(t) = -16t^2 + 48t + 4$ gives the height of the ball, in feet, t seconds after it has been thrown. When will the ball reach its maximum height?
3. In 2012, a town had a population of 18,970. In 2015, the population had grown to 21,340. Predict the population in 2020.

By the end of MAT 100, students will know how to answer each of the following:

1. A bag contains 3 blue marbles, 7 red marbles, and 9 yellow marbles. A single marble is drawn from the bag. What is the probability that the marble is yellow?
2. One semester, a student earns the following grades in her courses. Calculate her GPA for the semester.

Course	Credit Hrs	Grade
MAT 100	3	A
BSC 103	3	C
BSC 103L	1	B
ENG 101	3	A

3. A man invests \$1,500 today into an account earning 2.7% annual interest compounded monthly. How much money will be in the account in 2 years?

What about the 101S and 100S classes?

- These are support courses that are one credit hour each taken in the same semester as their GEC counterpart course. It is a separate course with a separate grade. Students must attend both.
- Any student taking MAT 101/100 can enroll in MAT 101S/100S.
- In MAT 101S, students will be learning in an active learning environment. This will allow students the opportunity to learn not only from the instructor but from one another as well.
- In MAT 100S or MAT 101S online, students will be engaged with one another via regularly-posted discussion boards and online active learning activities.

ACT Requirements

Spring 2020 Requirements

		MAT 101S	MAT 100S
ACT Math Subscore	16 or below	Required	Required
	17-19	Required	Required
	20 or above	Optional	Optional

*Online MAT 101S is reserved for fully online students or students who have classes already scheduled at all offered 101S times.

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