

Math Courses Available After College Algebra

This video is designed for:

- Students transferring into the University of Houston from a community college
- UH students with college algebra credit

I have College Algebra credit. Which courses am I ready for?

- Math 1312 – Introduction to Math Reasoning
- Math 1313 – Finite Mathematics
- Math 1314 – Calculus for Business and Life Sciences
- Math 1330 – Pre-Calculus Mathematics
- Math 2311 – Statistics

Math 1312 – Introduction to Mathematical Reasoning

- Principles of logic and proof
- Formal and informal geometry
 - Line and Angle Relationships
 - Parallel Lines
 - Triangles
 - Quadrilaterals
 - Similar Triangles
 - Circles
 - Area of Polygons
 - Surfaces and Volume of Solids

Math 1313 Finite Mathematics

- Cost, Revenue and Profit Functions
- Solving a System of Equations using Matrices
- Linear Programming Problems
- Financial Math
- Sets and Counting
- Probability
- The Basics of Statistics

Math 1314 Calculus for Business and Life Sciences

- Using GeoGebra – dynamic mathematics software
- Finding regression models
- Finding limits and derivatives
- Applications of the derivative
- Finding definite integrals and applications
- Functions of two variables
- Optimizing functions of two variables

Math 1330 Pre-Calculus Mathematics

- Polynomials and Rational Functions
- Trigonometric Functions
- Graphing Trigonometric Functions
- Trigonometric Formulas and Equations
- Trigonometric Application to Triangles
- Analytic Geometry

Math 2311 Statistics

- Probability
- Correct Probabilistic Reasoning
- Distributions
- Graphical and Descriptive Methods
- Sampling
- Estimation
- Hypothesis
- Statistical Inference

How do I choose?

- Ask your academic advisor!
- Check the requirements for your major
- These courses are independent, if you need to take more than one of them, the order in which you take them does not matter.
- If you need to take Pre-Calculus, we strongly recommend you take it as soon as possible after college algebra so you remember the college algebra material

Formats Available

Face-to-Face Lecture Classes

- 1312
- 1313
- 1314
- 1330
- 2311

Online Classes

- 1313
- 1314
- 1330
- 2311

Features of UH Online Math Classes

- Weekly LIVE online lectures (required)
- Weekly assignments completed online
- Lecturers have online office hours weekly
- Testing is done through our CASA Testing Center on campus
- Sessions offered in the evening or weekend for working students.
- Alternate assignments required when the student cannot attend an online lecture

Expectations for each format:

Face-to-Face

- Class attendance is required
- Outside of class, there are quizzes, homework and tests to complete.
- Proctored tests are administered in the CASA testing center on campus.
- Students are expected to spend 3-6 hours each week outside of class working on course material.

Online

- Attendance in the live online session is required.
- Outside of class, there are quizzes, homework and tests to complete.
- Proctored tests (2 regular tests and a final exam) are administered in the CASA testing center on campus.
- An online student must have the self-discipline to participate in class and manage his/her schedule to complete assignments on time.
- Students are expected to spend 3-6 hours each week outside of class time working on the course material.

Which is right for you?

The best points of each format:

Face-to-Face

- Live interaction with instructor and fellow students
- Structure – it is easier to remember to do assignments when you have to go to class regularly

Online

- You can attend class by logging into the classroom from any computer. No commute time!
- Most online classes have at least one session in the evening for those who work during the day.

College Success

Tip #1

- Classes are typically large. This can be intimidating, but it does not have to be. Look up your instructor's office hours and go talk to him/her in person during office hours. All of our UH instructors are available for one-on-one help during their office hours. (You don't have to really need help to meet your instructor!)

College Success

Tip #2

- Manage your time!
- Assignment deadlines at UH are FIRM, individual extensions to due dates are NOT available. You MUST do your work on time and submit it in the appropriate format.
- Proctored exams given at the CASA testing center are given on a strict schedule in order to accommodate the thousands of students who use the facility. You cannot show up late for a test!

College Success

Tip #3

- YOU MUST ASK IF YOU NEED HELP
- There are many resources available to UH students who need help in math courses.
- The math department has a free tutoring lab in Garrison Gym, available weekdays for all students registered in UH math courses.
- Learning Support Services offers free tutoring for math classes.
- The math department has also prepared a number of video help resources for each topic in our freshman level classes. Ask your instructor for details.

College Success

Tip #4

- COME TO CLASS
- We can't help you learn the material if you are not in class!

Welcome to the University of Houston!

The instructors in the math department look forward to welcoming you into one of our classes soon!

For more information on math classes at the University of Houston, go to www.math.uh.edu

