

# B.A. in Mathematics

What can I do with this major?



## Related Career Titles

Search for potential careers/jobs in your field with these position titles

- Industrial Mathematician
- Business Mathematician
- Actuary
- Computer Analyst
- Logistician
- Cryptographer
- Scientific Researcher
- Biomedical Researcher
- Secondary Math Teacher

## Professional Organizations

Affiliate yourself with groups to network and learn about the field

- ✓ *Mathematical Association of American , UHD Chapter*
- ✓ *Society for Industrial and Applied Mathematics*
- ✓ *American Mathematical Society*
- ✓ *National Council of Teachers of Mathematics*
- ✓ *Society of Actuaries*

## Explore Career Specific Websites

[www.beanactuary.org/](http://www.beanactuary.org/) | <http://www.maa.org/careers> | [www.ams.org/](http://www.ams.org/)  
[www.nctm.org/](http://www.nctm.org/) | [www.soa.org/](http://www.soa.org/) | [www.siam.org/](http://www.siam.org/) | [www.bioinformatics.org/](http://www.bioinformatics.org/)

## Graduate School Considerations

\*Programs not offered at UHD

- Master of Arts in Teaching
- Master of Science in Data Analytics
- Master of Business Administration
- Master of Science in Technical Communication
- Master of Science in Mathematics\*
- Master of Science in Statistics\*
- Master of Science in Bioinformatics\*
- Master of Science in Educational Research\*
- Master of Science in Information Technology or Computer Science\*

## Community Partnerships

Research local organizations offer field experiences to students pursuing a Bachelor of Arts in Math degree.

HISD Apollo 20 Fellowship	Direct Energy	Texas Connections Academy	City of Houston	MD Anderson
Memorial Hermann	Towers Watson	Houston Methodist Hospital		

## What is Bachelor of Arts in Mathematics?



The Bachelor of Arts degree in Mathematics prepares graduates to develop and use analytical and problem-solving skills, to master mathematical techniques required in related fields of application, and to enter the employment market with relevant and proficient mathematical tools. The BA degree is especially appropriate for students who wish to combine an extensive study of mathematics with a second concentration in one of the natural sciences, computer science, statistics, engineering or education. It helps prepare students for various graduate or professional programs including mathematics, engineering, and finance. Students select a track of interest to gain specialized knowledge about the industry.

Tracks:

- Secondary Mathematics Teacher Certification

## Interested in discussing your career path possibilities?

Visit S-402or

Call 713-221-8980

The [Career Development Center](#)

## Ivana Count

Deer Park, TX

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### Summary

Curious college graduate, high determined to utilize knowledge of math to contribute to the success of an organization. Proven ability to lead, teach, and provide excellent service to all types of clients. Possess excellent time management skills and a high level of attention to detail.

### Education

University of Houston-Downtown, Houston, TX

May 2018

*Bachelor of Science in Mathematics, Minor in Economics*

GPA: 3.54

### Related Experience

Mathnasium, Katy, TX

September 2016 – May 2018

Instructor

- Fostered teamwork between students and introduced time management skills
- Demonstrated excellent customer service and rapport building skills which resulted in 10 new enrollments per quarter
- Participated in co-op experiential learning program for personal growth
- Taught math skill using logic and reasoning over memorization to over 50 students per day

### Research

Rice University Summer Institute of Statistics (RUSIS), Houston, TX

Summer 2014

- Researched traumatic brain injuries and their effects on various neurological outcomes using mixed effects models
- Attended classes for 6 weeks on Probability, Bayesian Statistics, LaTeX, and Rand Mathematica

### Skills

Software: SAS, Mathematica, LaTeX, Eclipse, Microsoft Access, Word, Excel, PowerPoint

Language: Spanish (Speaking, Reading, and Writing)

### Leadership and Involvement

Student Activities Board

September 2014 – May 2018

- Led and delegated to a team of 10 to plan and implement campus-wide events such as a weekly movie series and "Finals Cram Jam"

### Work Experience

Kroger, Houston, TX

May 2011 – August 2014

Cashier

- Awarded Employee of the Month for outstanding customer service
- Handled multiple and complex transactions for over 100 clients per day in a fast moving environment
- Developed and enhanced time management and teamwork skills