

B.S. 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
- Cryptographer
- Logistician
- Scientific Researcher
- Biomedical Researcher
- Secondary Math Teacher

Professional Organizations

Affiliate yourself with groups to network and learn about the field

- ✓ *Mathematical Association of America, UHD Chapter*
- ✓ *Society of UHD Engineers*
- ✓ *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.maa.org/careers> | www.ams.org/
www.nctm.org/ | www.soa.org/ | www.siam.org/ | 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 Arts in Non-profit Management
- Master of Science in Engineering*
- Master of Science in Mathematics*
- Master of Science in Statistics*
- Master of Science in Bioinformatics*
- Master of Science in Computer Science or Information Technology*

Community Partnerships

Research local organizations offer internships to students pursuing a Bachelor of Science in Mathematics.

Apollo 20 Math Fellowship	Direct Energy	Willis Towers Watson	Phillips 66	City of Houston
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What is B.S. in Mathematics?

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The Bachelor of Science degree in Mathematics prepares students 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 BS 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 or engineering. It will help prepare students for various graduate or professional programs including mathematics, engineering, and finance.

Interested in discussing your career path possibilities?

Visit S-402 or

Call 713-221-8980

The [Career Development Center](#)

Ivanna Count

4 National Lane • Houston, TX • 722011 • icount@yahoo.edu • 336-111-1111

EDUCATION

University of Houston-Downtown, Houston, TX

May 2014

Bachelor of Science in Mathematics, Minor in Economics

GPA: 3.44

RELATED EXPERIENCE

Mathnasium, Katy, TX

Sept 2012-May 2014

Instructor

- Taught students math skills using logic and reason over memorization
- Fostered teamwork between students and introduced time management skills
- Demonstrated excellent customer service, resulting in 10 new enrollments
- Participated in co-op opportunity to facilitate personal growth through experiential learning

Stanley Benefits, Houston, TX

Summer 2013

Actuarial Intern

- Learned about ERISA and Defined Benefit regulations and plan specifics
- Computed accrued and vested benefits for clients
- Calculated retirement benefits and plan terminations
- Analyzed data and prepared projection graphs of future costs for valuations
- Collected and revised employee salary and employment records for use in ProVal

RESEARCH

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

Summer 2012

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

SOFTWARE SKILLS

SAS • Mathematica • LaTeX • Eclipse • Microsoft Access, Word, Excel, PowerPoint

LEADERSHIP & INVOLVEMENT

Student Activities Board

Fall 2013-May 2014

Special Events Committee

- Collaborated with others to plan and implement campus-wide events such as a weekly movies and "Finals Cram Jam"

WORK EXPERIENCE

Kroger, Houston, TX Cashier

May 2011-May 2014

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