The department offers the following programs with various concentrations

**Bachelor of Science in Mathematics**
- Actuarial Science
- Computer Information Systems
- Computer Science
- Decision Sciences
- Statistics

**Master of Science in Mathematics**
- Bioinformatics
- Biostatistics
- Discrete Mathematics
- Scientific Computing
- Statistics
- Statistics and Allied Field

**Doctor of Philosophy in Mathematics and Statistics**
- Bioinformatics
- Biostatistics
- Mathematics
- Math Education

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Department of Mathematics and Statistics
Georgia State University

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mathstat.gsu.edu
New Faculty in Fall 2014

Dr. Jing Zhang joins our department as a tenure-track assistant professor in August 2014. She obtained the Ph.D. degree in Harvard University, USA, in 2009. From 2009 to 2010 she was a postdoc at Harvard University. From 2010 to 2014, she was an Assistant Professor in Yale University.

Dr. Zhang’s research interests include Bayesian inference on complicated interactions, big data analysis, neuroimage analysis, brain mapping, functional brain imaging analysis, statistical genetics, epigenetics, computational virology, Bayesian network, graph models, and computational neuroscience.

Dr. Zhang has published over 30 peer reviewed papers. She received Seessel Awards at Yale University from 2010 to 2013. She is currently the lead guest editor for a special issue of IEEE/ACM Transactions on Computational Biology and Bioinformatics, and also on editorial board for Journal of Proteome Science and Computational Biology, and American Journal of Biostatistics.

Dr. Andrew Fanoe joins our department as a lecturer in August 2014. Dr. Fanoe received his Ph.D. from Columbia University in 2013. He subsequently was a Visiting Assistant Professor at Morehouse College from 2013-2014.

Dr. Fanoe’s doctoral research was in the field of symplectic geometry and primarily concerned Hamiltonian torus actions on 6-dimensional symplectic manifolds. He has several publications, and his main focus is teaching. He has two years of experience teaching both Calculus and Precalculus courses, and has a great interest and passion in teaching mathematics at the college level.

Welcome from Chair

Welcome to our department, which is committed to teaching and research of mathematics and statistics at GSU. The Department is in charge of 11 core courses and teaches the 2nd most lecture credit hours at GSU. It offers baccalaureate and master degree programs, and a recently established doctorate degree program with concentrations in Biostatistics, Bioinformatics, Mathematics, and Mathematics Education.

The department has a diversified faculty conducting research in several areas in mathematics, statistics, and their applications. These areas include algebra, biostatistics, biomathematics, combinatorics and graph theory, dynamical systems, mathematics education, matrix analysis, and numerical analysis.

The members of the department regularly publish in top-ranked journals, more than 1/3 of the research faculty members are supported by various federal funded grants, and several members have been serving on editorial boards of journals.

Prof. Guantao Chen, Chair.

Mathematics & Statistics Faculty

Erol Akbas
Margo Alexander
Marina Arav
Christian Avart
Igor Belykh
Vladimir Bondarenko
Jeremy Brazas
Guantao Chen
Florian Enescu
Andrew Fanoe
Mark Grinshpon
Frank Hall
Yi Jiang
Zhongshan Li
Nilay Manzagol
Leslie Meadows
Valerie A. Miller
Mariana Montiel
Suil O
Remus Osan
Xin Qi
Gengsheng Qin
Rebecca L. Rizzo
Marko Samara
Sutandra Sarkar
Andrey Shilnikov
John Sinkovic
Alexandra Smirnova
Harrison Stalvey
Michael Stewart
Hein van der Holst
Draga Vidakovic
Yongwei Yao
Xiaojing Ye
Jing Zhang
Yichuan Zhao
Yi Zhao
Changyong Zhong