

## B.S. Degree in Statistics Program Summary

The Bachelor of Science (BS) in Statistics major provides students with a strong foundation in mathematical and statistical methodology, experience in its applications, a solid background in the use of statistical computing packages, and the skills to communicate the results of statistical analysis. The BS in Statistics program provides courses that prepare students for careers in business, government, and private industry as statisticians and for graduate training in statistics and related fields. To receive the BS degree in statistics, students must complete 120-124 credit hours of required course work of general education and in the major with a GPA of at least 2.5 on the 4.0 point scale. Additionally, a student must earn at least the C grade in statistics courses taken at JSU or transferred from other accredited universities or colleges.



## Three Tracks

The Bachelor of Science in Statistics at JSU is the only such program in the State of Mississippi. It offers a general track plus two more specialized tracks:

- Bachelor of Science in Statistics (general)
- Concentration in Mathematical Statistics
- Concentration in Applied Statistics

## Why Statistics?

Statistics is the mathematical science involving the collection, analysis and interpretation of data. Employment of statisticians is projected to grow 14 percent from 2010 to 2020. Government agencies will employ more statisticians to improve the quality of the data available for policy analysis. Statisticians will continue to be needed in the pharmaceutical industry as pharmaceutical companies develop new treatments and medical technologies. Businesses will need statisticians to organize, analyze, and sort through the data for commercial reasons. It will also see growth in research and development in the physical, engineering, and life sciences, where statisticians' skills in designing tests and assessing results prove highly useful. (Source: U.S. Bureau of Labor Statistics)

## Faculty

Dr. Bassirou Diatta, Ph.D. – Mathematics, M.Sc. – Statistics; Associate Professor.

Dr. Roosevelt Gentry, Ph.D. – Mathematics, Professor

Dr. Xing Yang, Ph.D. – Mathematical Statistics, M.S. – Statistics; Assistant Professor

Dr. Zhenbu Zhang, Ph.D. – Mathematics, M. Sc. – Statistics; Associate Professor

Dr. Celestin Wafo Soh Ph.D. – Applied Mathematics; Statistical Machine Learning, Functional and Reactive Programing, Associate Professor

Dr. Tor A. Kwembe, Ph.D. – Applied Mathematics, M.S. – Mathematics, B.Sc. – Mathematics/Statistics; Mathematical Biology and Bioinformatics, Professor



Dr. Tor A. Kwembe  
Professor & Chair

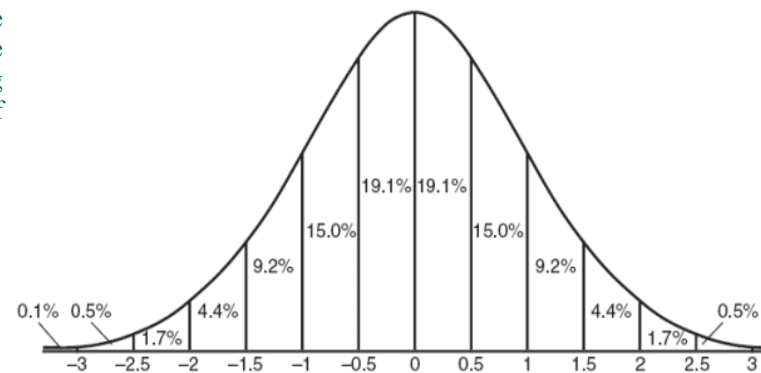
## CONTACTS

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## Bachelor of Science in Statistics



Department of Mathematics and Statistical Sciences  
College of Science, Engineering & Technology

Jackson State University