

STATISTICS

Graduate Program Head	Murali Haran
Program Code	STAT, ASTAT
Campus(es)	University Park (Ph.D., M.S., M.A.S.) World Campus (M.A.S.)
Degrees Conferred	Doctor of Philosophy (Ph.D.) Master of Science (M.S.) Master of Applied Statistics (M.A.S.) Dual-title Ph.D. in Statistics and Climate Science Dual-title Ph.D. and M.S. in Statistics and Operations Research Dual-title Ph.D. in Statistics and Social Data Analytics Integrated B.A. or B.S. in Mathematics and M.A.S. in Applied Statistics Integrated B.S. in Statistics and M.A.S. in Applied Statistics Integrated B.S. in Data Sciences and M.A.S. in Applied Statistics
The Graduate Faculty	STAT (https://secure.gradsch.psu.edu/gpms/?searchType=fac&prog=STAT) ASTAT (https://secure.gradsch.psu.edu/gpms/?searchType=fac&prog=ASTAT)

Graduate instruction and research opportunities are available in most areas of statistics and probability, including linear models, nonparametric statistics, robustness, statistical computing, analysis of count data, multivariate analysis, experimental design, reliability, stochastic processes and probability (applied and theoretical), distribution theory, statistical ecology, and biometrics.

Graduate students can gain practical experience in the application of statistical methodology through participation in the department's statistical consulting center and collaborative research activities. In addition, collaborative projects with other departments provide longer term experience and support for selected students. Most students gain valuable teaching experience by assisting in the teaching and grading of courses. In addition, Ph.D. students with proper qualifications can receive support for teaching undergraduate courses.

The Master of Applied Statistics (M.A.S.) program is a professional degree designed to provide training in statistics focused on developing data analysis skills, and exploration of all core areas of applied statistics, without going deeply into the mathematical statistics foundations. It aims to provide its graduates with broad knowledge in a wide range of statistical application areas.

The Doctor of Philosophy (Ph.D.) and Master of Science (M.S.) degrees in Statistics are designed for advanced studies in applied and theoretical statistics. Special emphases include biostatistics, statistical ecology, environmental statistics, genometrics, biometrics and statistical computation. The M.S. degree is appropriate preparation for the department's Ph.D. degree.