

Doctor of Philosophy Program in Statistics

International Program

The curriculum structure: Total – 72 credit hours (at least)

Course Structure

<u>Required Courses</u>	16	credits
<u>Elective Courses (at least)</u>	20	credits
Dissertation	36	credits

Required Courses

ST. 811	Probability and Measure Theory	3 (3-0-9)
ST. 812	Advance Probability Theory	3 (3-0-9)
ST. 821	Advanced Statistical Inference I	3 (3-0-9)
ST. 822	Advanced Statistical Inference II	3 (3-0-9)
ST. 823	Theory of Linear Models	4 (4-0-12)

Elective Courses

ST. 815	Advanced Sampling Techniques	3(3-0-9)
ST. 816	Stochastic Processes	3(3-0-9)
ST. 817	Decision Theory	3(3-0-9)
ST. 825	Advanced Theory of Nonparametric Statistics	3(3-0-9)

ST. 826	Advanced Design and Analysis of Experiments	3(3-0-9)
ST. 827	Theory of Multivariate Statistics	3(3-0-9)
ST. 828	Time Series Analysis	3(3-0-9)
ST. 835	Applied Spatial Statistics	3(3-0-9)
ST. 836	Survival Analysis	3(3-0-9)
ST. 837	Nonlinear Statistical Methods	3(3-0-9)
ST. 845	Risk Theory	3(3-0-9)
ST. 855	Genetic Data Analysis	3(3-0-9)
ST. 866	Categorical Data Analysis	3(3-0-9)
ST. 875	Bayesian Statistics	3(3-0-9)
ST. 876	Statistical Methods for Quality Control	3(3-0-9)
ST. 877	Reliability Analysis	3(3-0-9)
ST. 878	Special Topics in Statistics	3(3-0-9)
ST. 879	Monte Carlo Statistical Methods	3(3-0-9)
ST. 885	Large Scale Data Analysis	3(3-0-9)
ST. 899	Statistical Consulting	2(0-4-2)