33—36 Credit Hours Required:

Required Core Courses

MATH	6410	Probability Theory I
MATH	6420	Mathematical Statistics II
STAT	5020	Regression Analysis
STAT	5060	Sample Design
STAT	5080	Experimental Design

Electives (Choose 4: 2 Stat/Or, 2 Math, at least 2 at 6000 level)

MATH	5260	Actuarial Mathematics I
MATH	5270	Actuarial Mathematics II
MATH	5450	Applied Probability
MATH	5470	Exploratory Data Analysis
MATH	5650	Introduction to Real Analysis I
MATH	5660	Introduction to real Analysis II
MATH	6440	Stochastic Processes
MATH	6450	Statistical Distribution Theory
MATH	6460	Nonparametric Statistical Inference
MATH	6470	Sequential Statistical Inference
MATH	6480	Bayesian Statistical Inference
MATH	6710	Survival Analysis
MATH	6720	Biostatistical Methods
MATH	7400	Multidimensional Statistics
MATH	7570	Linear Statistical Inference
MATH	7580	Computational Statistics
OR	6610	Linear and Integer Programming
OR	6620	Probability Models for Decision Making
STAT	5120	Applied Nonparametric Statistics
STAT	5140	Statistical Quality Control
STAT	5160	Times Series Analysis
STAT	6200	Experimental Design II
STAT	6300	Applied Multivariate Analysis
STAT	6340	Discrete Data Analysis
STAT	6440	Data Mining

One Free Elective (must be approved by advisor)

Plan I Thesis Option: (Total 36 Credit Hours)

STAT   6990   Thesis Research
One more Elective course

Plan II Comprehensive Exam Option (Total 33 Credit Hours)

STAT   6750   Research Methods in Statistics and
Comprehensive Exam covering MATH 6410, 6420, STAT 5020, 5060, 5080