

Equivalent Courses in the Curriculum and Proposed Curriculum

Curriculum	Proposed Curriculum
STAT 501 Statistical Theory I (3-0) 3	STAT 572 Probability and Statistics for Data Science I (3-0)3
STAT 502 Statistical Theory II (3-0) 3	STAT 573 Probability and Statistics for Data Science II (3-0)3
STAT 551 Probability and Statistics I (3-0) 3	STAT 572 Probability and Statistics for Data Science I (3-0)3
STAT 552 Probability and Statistics II (3-0) 3	STAT 573 Probability and Statistics for Data Science II (3-0)3
STAT 8XX Special Studies (4-2) NC	STAT 8XX Special Studies (4-2) NC
STAT 555 Advanced Computational Statistics (3-0) 3	Moved to PhD level
STAT 556 Advanced Computing Methods in Statistics (3-0) 3	Moved to PhD level
STAT 503 Linear Statistical Models (3-0) 3	Removed
STAT 561 Panel Data Analysis (3-0) 3	STAT 545 Longitudinal Data Analysis (3-0) 3
STAT 730 Statistics for Bioinformatics (3-0)3	STAT 529 Statistical Bioinformatics (3-0)3
-	STAT 570 Data Handling and Visualization
-	STAT 571 Data Mining and Machine Learning
-	STAT 574 Statistics and Data Science Computing
-	STAT 575 Computational Tools for Data Science
-	STAT 576 Neural Networks for Data Science
-	STAT 577 Big Data Analytics
-	STAT 578 Artificial Intelligence and Data Science
-	STAT 579 Statistical Pattern Recognition
-	STAT 580 Stochastic Processes in Machine Learning

Equivalent Courses in the Curriculum and New Curriculum

Curriculum	New Curriculum
STAT 601 Advanced Probability Theory I (3-0) 3	STAT 647 Probability Theory (4-0)4
STAT 602 Advanced Probability Theory II (3-0) 3	STAT 647 Probability Theory (4-0)4
STAT 603 Advanced Theory of Statistics I (3-0) 3	STAT 648 Advanced Statistical Inference Theory (4-0)4
STAT 604 Advanced Theory of Statistics II (3-0) 3	STAT 648 Advanced Statistical Inference Theory (4-0)4
STAT 608 Probability Models and Stochastic Processes (3-0)3	STAT 646- Statistical Inferences for Stochastic Processes (3-0)3
STAT 614 Interpretation of Data I (3-0)3	STAT 614 Interpretation of Data (3-0)3
STAT 615 Interpretation of Data II (3-0)3	Removed
STAT 623 Spatial Statistics (3-0) 3	STAT 637 Spatial Data Analysis (2-2) 3
STAT 632 Inference for Stochastic Processes (3-0)3	STAT 646 - Statistical Inferences for Stochastic Processes (3-0)3
STAT 642 Seminar in Statistics I (0-2) NC	STAT 642 Seminar in Statistics and Data Science I (0-2) NC
STAT 643 Seminar in Statistics II (0-2) NC	STAT 643 Seminar in Statistics and Data Science II (0-2) NC
STAT 730 Statistics for Bioinformatics (3-0) 3	STAT 529 Statistical Bioinformatics (3-0)3
-	STAT 635 Advanced Computational Statistics
-	STAT 636 Advanced Generalized Linear Models
-	STAT 638 Computation and Optimization
-	STAT 639 Stochastic Differential Equations
-	STAT 640 Advanced Statistical Consulting
-	STAT 641 Ethics in Data Science
-	STAT 645 Statistical Deep Learning