## PROGRESSION PATH

*Information correct as of 27 June 2019*
The department reserves the right to amend the progression path when the need arises.

| Academic Year 2018/19 | |
|---|---|
| **Semester 1** | **Semester 2** |
| ST5201 Statistical Foundations of Data Science *<br>ST5206 Generalized Linear Models<br>ST5210 Multivariate Data Analysis *<br>ST5214 Advanced Probability Theory<br>ST5215 Advanced Statistical Theory I<br>ST5221 Probability and Stochastic Processes*<br>ST5222 Advanced Topics in Applied Statistics<br>ST5226 Spatial Statistics* | ST5198 Graduate Seminar Module<br>ST5202 Applied Regression Analysis *<br>ST5212 Survival Analysis *<br>ST5213 Categorical Data Analysis II *<br>ST5218 Advanced Statistical Methods in Finance<br>ST5220 Statistical Consulting<br>ST5223 Statistical Models: Theory/Applications<br>ST5224 Advanced Statistical Theory II<br>ST5227 Applied Data Mining* |
| **Academic Year 2019/20** | |
| **Semester 1** | **Semester 2** |
| ST5201 Statistical Foundations of Data Science *<br>ST5203 Design of Experiments for Product Design and Process Improvements *<br>ST5207 Non parametric Regression*<br>ST5211 Sampling from Finite Populations *<br>ST5214 Advanced Probability Theory<br>ST5215 Advanced Statistical Theory I<br>ST5222 Advanced Topics in Applied Statistics | ST5198 Graduate Seminar Module<br>ST5202 Applied Regression Analysis *<br>ST5208 Analytics for Quality Control and Productivity Improvements*<br>ST5209 Analysis of Time Series Data *<br>ST5220 Statistical Consulting<br>ST5223 Statistical Models: Theory/Applications<br>ST5224 Advanced Statistical Theory II<br>ST5227 Applied Data Mining* |
| **Academic Year 2020/21** | |
| **Semester 1** | **Semester 2** |
| ST5201 Statistical Foundations of Data Science *<br>ST5206 Generalized Linear Models<br>ST5210 Multivariate Data Analysis *<br>ST5214 Advanced Probability Theory<br>ST5215 Advanced Statistical Theory I<br>ST5221 Probability and Stochastic Processes*<br>ST5222 Advanced Topics in Applied Statistics<br>ST5225 Statistical Analysis of Networks* | ST5198 Graduate Seminar Module<br>ST5202 Applied Regression Analysis *<br>ST5212 Survival Analysis *<br>ST5213 Categorical Data Analysis II *<br> ST5218 Advanced Statistical Methods in Finance<br>ST5223 Statistical Models: Theory/Applications<br>ST5224 Advanced Statistical Theory II<br>ST5226 Spatial Statistics* |

*** Designed for Coursework Program**