

Statistics courses and career pathways

Statistical skills support an extraordinarily wide range of careers. Use the following table to help you plan your course programme and achieve your career aspirations. Please note that these courses are based on the recommendations of popular employers of our graduates and also academic staff within the Department of Statistics.

Stage One							
STATS 10X Introduction to Statistics	Finance	Actuary	Marketing	Market Res	Org Psych	Ecology	Bioinformatics
STATS 125 Probability and its Applications	Finance	Actuary		Market Res		Ecology	Bioinformatics
STATS 150 Lies, Damned Lies, and Statistics			Marketing	Market Res			
Stage Two							
STATS 20X Data Analysis	Finance	Actuary	Marketing	Market Res	Org Psych	Ecology	Bioinformatics
STATS 210*/STATS 225 Statistical Theory/Mathematical Statistics	Finance	Actuary		Market Res		Ecology	Bioinformatics
STATS 220 Data Technologies	Finance			Market Res		Ecology	Bioinformatics
STATS 255 Intro to Operations Research							
Stage Three							
STATS 301 Stat. Prog. & Modelling using SAS	Finance	Actuary		Market Res			
STATS 302 Applied Multivariate Analysis			Marketing	Market Res	Org Psych	Ecology	Bioinformatics
STATS 310 Intro to Statistical Inference	Finance	Actuary					
STATS 320 Applied Stochastic Modelling	Finance	Actuary					
STATS 325 Stochastic Processes	Finance	Actuary					
STATS 326 Applied Time Series Analysis	Finance			Market Res			
STATS 330 Statistical Modelling	Finance	Actuary	Marketing	Market Res	Org Psych	Ecology	Bioinformatics
STATS 331 Introduction to Bayesian Statistics					Org Psych	Ecology	Bioinformatics
STATS 340 Design & Analysis of Surveys & Exp.			Marketing	Market Res	Org Psych	Ecology	Bioinformatics
STATS 370 Financial Mathematics	Finance	Actuary					
STATS 380 Statistical Computing		Actuary				Ecology	Bioinformatics

Key	
Need to have	Nice to have
*Students considering postgraduate study should do STATS 210 or STATS 225	

Med Stats	Statistician (eg, Biometrician)	Academic Research	Education	Government	Ops Research	Engineering	Energy
Med Stats	Statistician (eg, Biometrician)	Academic Research	Education		Ops Research		Energy
			Education	Government			
Med Stats	Statistician (eg, Biometrician)	Academic Research	Education	Government	Ops Research	Engineering	Energy
Med Stats	Statistician (eg, Biometrician)	Academic Research	Education		Ops Research	Engineering	Energy
Med Stats	Statistician (eg, Biometrician)	Academic Research		Government	Ops Research		Energy
					Ops Research	Engineering	Energy
Med Stats	Statistician (eg, Biometrician)	Academic Research		Government			
Med Stats	Statistician (eg, Biometrician)	Academic Research					Energy
Med Stats	Statistician (eg, Biometrician)	Academic Research					Energy
		Academic Research			Ops Research		Energy
		Academic Research		Government	Ops Research		Energy
Med Stats	Statistician (eg, Biometrician)	Academic Research	Education	Government		Engineering	
		Academic Research					
Med Stats	Statistician (eg, Biometrician)	Academic Research	Education	Government		Engineering	
					Ops Research		Energy
Med Stats	Statistician (eg, Biometrician)	Academic Research			Ops Research		Energy