

## Recommended COURSE SEQUENCING for PASS – Statistics in Business Analytics

Please use this document as a guide to help you determine a reasonable sequence for the courses need to complete your PASS. Retain this document for planning, and use it as a checklist to keep track of your work. For the PASS – Statistics in Business Analytics you must take the four (4) required courses and eight (8) electives. The 8 electives should include those pertaining to your chosen strand. Prior to taking courses in Group B, you must take the required courses in Group A. Before taking any courses in Group C, you must take any required courses in Group B, plus any Group B electives you may choose, and so on. Within a group, the order in which you take courses is not so important, except for courses explicitly numbered in sequence. If you wish, you may take more than 5 electives.

**Predictive Analytics Strand:** We suggest Introduction to Data Mining, Data Mining 2 - Unsupervised Learning, Data Mining Practicum. (There are several Data Mining Practicum courses, corresponding to different software programs; you should choose one), plus additional electives of your own choosing.

**Risk Assessment and Forecasting Strand:** We suggest Introduction to Quantitative Risk Management, Financial Risk Modeling, Advanced Forecasting, plus additional electives of your own choosing.

**Market Research and Consumer Behavior Strand:** We suggest Survey Design, Survey Analysis, Multivariate Statistics, Cluster Analysis, and Discrete Choice Modeling and Conjoint Analysis, plus additional electives of your own choosing.

<b>GROUP A</b>		<b>Course Date</b>			<b>Course Date</b>
<input type="checkbox"/>	Interactive Data Visualization	Elective	<input type="checkbox"/>	Data Mining: Unsupervised Techniques	Elective
<input type="checkbox"/>	Introduction to Statistical Modeling	Elective	<input type="checkbox"/>	Introduction to Quantitative Risk Analysis	Elective
<input type="checkbox"/>	National Income Statistics	Elective			
<input type="checkbox"/>	Survey Analysis	Elective			
<input type="checkbox"/>	Survey Design and Sampling Procedures	Elective			
<b>GROUP B</b>			<b>GROUP D</b>		
<input type="checkbox"/>	<b>Matrix Algebra Review</b>	<b>Required</b>	<input type="checkbox"/>	Advanced Logistic Regression	Elective
<input type="checkbox"/>	<b>Regression Analysis</b>	<b>Required</b>	<input type="checkbox"/>	Analysis of Survey Data from Complex Sample Designs	Elective
			<input type="checkbox"/>	Categorical Data Analysis	Elective
			<input type="checkbox"/>	Cluster Analysis	Elective
			<input type="checkbox"/>	Decision Trees and Rule-Based Segmentation	Elective
			<input type="checkbox"/>	Discrete Choice Modeling and Conjoint Analysis	Elective
<b>GROUP C</b>			<input type="checkbox"/>	Financial Risk Modeling	Elective
<input type="checkbox"/>	<b>Forecasting</b>	<b>Required</b>	<input type="checkbox"/>	Forecasting - Advanced	Elective
<input type="checkbox"/>	<b>Logistic Regression</b>	<b>Required</b>	<input type="checkbox"/>	Multivariate Statistics	Elective
<input type="checkbox"/>	Introduction to Data Mining	Elective	<input type="checkbox"/>	Spatial Statistics with Geographic Information Systems	Elective

Be certain to check back at statistics.com for updates to your PASS. Required courses are fixed for each candidate at the time of enrollment in the program.

Updates will not affect your program requirements, but you may wish to take any new courses that are added.