

**BStat (Professional Core in Risk Management) Suggested Study Plan A**

Year	One		Two		Three		Four		
Semester	One	Two	One	Two	One	Two	One	Two	
Disciplinary Core	<b>MATH1013</b> University Mathematics II  <b>SDST1600</b> Statistics: Ideas and Concepts	<b>COMP1117</b> Computer Programming	<b>SDST2601</b> Probability and Statistics I	<b>SDST2602</b> Probability and Statistics II  <b>SDST3615</b> Practical Mathematics for Investment	<b>SDST3600</b> Linear Statistical Analysis  <b>SDST3609</b> The Statistics of Investment Risk	<b>SDST3618</b> Derivatives and Risk Management	<b>SDST4601</b> Time-Series Analysis  <b>SDST4610</b> Bayesian Learning	<b>SDST4607</b> Credit Risk Analysis  <b>SDST4608</b> Market Risk Analysis	
Disciplinary Elective		<i>List A (for general study)</i>		At least 24 credits (4 courses) selected from the following courses: <b>SDST3602</b> Statistical Inference <b>SDST3603</b> Stochastic Processes <b>SDST3610</b> Risk Management and Insurance <b>SDST3612</b> Statistical Machine Learning <b>SDST3655</b> Survival Analysis <b>SDST3910</b> Financial Economics I <b>SDST3911</b> Financial Economics II <b>SDST4603</b> Current Topics in Risk Management <b>SDST4606</b> Risk Management and Basel Accords in Banking and Finance <b>SDST4614</b> Quantitative Risk Management <b>SDST7609</b> Research Methods in Statistics <b>SDST7610</b> Advanced Probability					
	<b>MATH2012</b> Fundamental Concepts of Mathematics	<b>MATH2014</b> Multivariable Calculus and Linear Algebra							
	or								
	<i>List B (for advanced study)</i>								
	<b>MATH2101</b> Linear Algebra I	<b>MATH2211</b> Multivariable Calculus							
Capstone					At least 6 credits selected from the following courses: <b>SDST3799</b> Directed Studies in Statistics <b>SDST4710</b> Capstone Experience for Statistics Undergraduates <b>SDST4766</b> Statistics Internship <b>SDST4799</b> Statistics Project (12 credits)				
Other Courses	<b>AILT1001</b> Artificial Intelligence Literacy I (3 credits)			<b>AILT9019</b> Artificial Intelligence Literacy II (3 credits)					
Common Core	Six common core courses (36 credits) within the first three years								
Language	<b>CAES1001</b> Academic Communication in English (0 credits)  (offered in both semesters)		<b>CAES9821</b> Professional and Technical Communication for Statistical Sciences  (offered in both semesters)		<b>CSCI9001</b> Practical Chinese for Science Students (to be confirmed)  (offered in both semesters)				

- Note 1: This suggested study plan is for students' reference only. Students can choose another subclass if a course is also offered in different semesters/time slots. However, students are reminded to check the course pre-requisites when planning their studies ahead, whilst course offering semester and availability are subject to changes every year. Please refer to the Student Handbook, Regulations and Syllabus for more details.
- Note 2: Students may also choose to take more Disciplinary Core or Elective courses as free electives than the number stipulated above within the allowed course load.
- Note 3: If there are any courses mutually exclusive to any Disciplinary Core courses, students must take the course stated in the curriculum to fulfil the degree requirement of the Professional Core. Course replacement should only be applied for the other Major(s) or Minor(s).
- Note 4: Please refer to the Student Handbook for details about exemption of language courses if applicable.

**BStat (Professional Core in Risk Management) Suggested Study Plan B (for students who had no calculus background in high school)**

Year	One		Two		Three		Four		
Semester	One	Two	One	Two	One	Two	One	Two	
Disciplinary Core	<b>SDST1600</b> Statistics: Ideas and Concepts	<b>COMP1117</b> Computer Programming  <b>MATH1013</b> University Mathematics II		<b>SDST2601</b> Probability and Statistics I  <b>SDST3615</b> Practical Mathematics for Investment	<b>SDST2602</b> Probability and Statistics II  <b>SDST3609</b> The Statistics of Investment Risk	<b>SDST3600</b> Linear Statistical Analysis  <b>SDST3618</b> Derivatives and Risk Management	<b>SDST4601</b> Time-Series Analysis  <b>SDST4610</b> Bayesian Learning	<b>SDST4607</b> Credit Risk Analysis  <b>SDST4608</b> Market Risk Analysis	
Disciplinary Elective			<b>MATH2012</b> Fundamental Concepts of Mathematics	<b>MATH2014</b> Multivariable Calculus and Linear Algebra	At least 24 credits (4 courses) selected from the following courses: <b>SDST3602</b> Statistical Inference <b>SDST3603</b> Stochastic Processes <b>SDST3610</b> Risk Management and Insurance <b>SDST3612</b> Statistical Machine Learning <b>SDST3655</b> Survival Analysis <b>SDST3910</b> Financial Economics I <b>SDST3911</b> Financial Economics II <b>SDST4603</b> Current Topics in Risk Management <b>SDST4606</b> Risk Management and Basel Accords in Banking and Finance <b>SDST4614</b> Quantitative Risk Management <b>SDST7609</b> Research Methods in Statistics <b>SDST7610</b> Advanced Probability				
Capstone and Other Courses	<b>AILT1001</b> Artificial Intelligence Literacy I (3 credits)  <b>MATH1011</b> University Mathematics I		<b>AILT9019</b> Artificial Intelligence Literacy II (3 credits)		At least 6 credits selected from the following courses: <b>SDST3799</b> Directed Studies in Statistics <b>SDST4710</b> Capstone Experience for Statistics Undergraduates <b>SDST4766</b> Statistics Internship <b>SDST4799</b> Statistics Project (12 credits)				
Common Core	Six common core courses (36 credits) within the first three years								
Language	<b>CAES1001</b> Academic Communication in English (0 credits)  (offered in both semesters)		<b>CAES9821</b> Professional and Technical Communication for Statistical Sciences  (offered in both semesters)		<b>CSCI9001</b> Practical Chinese for Science Students (to be confirmed)  (offered in both semesters)				

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Note 3: If there are any courses mutually exclusive to any Disciplinary Core courses, students must take the course stated in the curriculum to fulfil the degree requirement of the Professional Core. Course replacement should only be applied for the other Major(s) or Minor(s).

Note 4: Please refer to the Student Handbook for details about exemption of language courses if applicable.