

Minor Title	Minor in Risk Management
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Offered to students admitted to Year 1 in	2012
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Objectives:

The Risk Management minor aims to provide interested students with basic concepts of risk management and fundamental skills of employing various statistical techniques for managing risk. The minor curriculum is particularly designed for students from different majors to enhance their interest in Risk Management or to complement their major of study.

Learning Outcomes:

Students should be able to:

- acquire basic understanding and identify the generic risk management issues and techniques; (by means of coursework, tutorial classes and project-based learning in the curriculum)
- apply elementary methods and models for risk assessment and management; (by means of coursework, tutorial classes and project-based learning in the curriculum)
- acquire and interpret relevant data and information for risk management. (by means of coursework, tutorial classes and project-based learning in the curriculum)

Impermissible Combination:

Major in Risk Management
Major in Statistics
Minor in Statistics

Required courses (42 credits)**1. Introductory level courses (12 credits)**

At least 6 credits selected from the following courses:

- STAT1601 Elementary statistical methods (6)
- STAT1602 Business statistics (6)
- STAT1603 Introductory statistics (6)
- STAT2601 Probability and statistics I (6)

Plus at least 6 credits selected from the following courses:

- STAT2602 Probability and statistics II (6)
- STAT2603 Data management with SAS (6)

2. Advanced level courses (30 credits)

At least 30 credits selected from the following courses:

- STAT3609 The statistics of investment risk (6)
- STAT3610 Risk management and insurance (6)
- STAT3611 Computer-aided data analysis (6)
- STAT3612 Data mining (6)
- STAT3614 Business forecasting (6)
- STAT3615 Practical mathematics for investment (6)
- STAT3618 Derivatives and risk management (6)
- STAT4601 Time-series analysis (6)
- STAT4603 Current topics in risk management (6)
- STAT4606 Risk management and basel accords in banking and finance (6)
- STAT4607 Credit risk analysis (6)
- STAT4608 Market risk analysis (6)

Notes:

1. A course may appear as required course in two or more Science majors/minors. Each course can only be considered to satisfy the requirement of one major or one minor, even if that appears in the curriculum of two majors/minors. Students have to select another course to replace the course in the second major/minor.

2. Courses at the advanced level are subject to change.

Remarks:

Important! Ultimate responsibility rests with students to ensure that the required pre-requisites and co-requisite of selected courses are fulfilled. Students must take and pass all required courses in the selected primary science major in order to satisfy the degree graduation requirements.