

Minor Title	Minor in Actuarial Studies
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Offered to students admitted to Year 1 in	2012
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Objectives:

The Minor in Actuarial Studies aims to provide interested students with an introduction to the basic concepts and methodologies in Actuarial Science. The minor curriculum is designed particularly for students from different majors to enhance their interest in Actuarial Science and to strengthen their confidence and potential in solving mathematical, financial, economical and investment-related problems.

Learning Outcomes:

Students should be able to:

- a. understand and apply the methods used by actuaries to solve problems of insurance, investment, pension, financial risk management and demography;
(by means of coursework and tutorial classes and/or research-based project in the curriculum)
- b. develop and apply problem-solving skills appropriate to the level of the preliminary education component specified by international actuarial bodies such as the Society of Actuaries.
(by means of coursework and tutorial classes and/or research-based project in the curriculum)

Impermissible Combination:

Bachelor of Science in Actuarial Science

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

At least 12 credits selected from the following courses:

- FINAxxxx Corporate finance (FINA1003) (6)
- MATH1013 University mathematics II (6)
- STAT2601 Probability and statistics I (6)
- STAT2602 Probability and statistics II (6)
- STAT2605 Introduction to demographic and socio-economic statistics (6)
- STAT2901 Probability and statistics: foundations of actuarial science (6)

2. Advanced level courses (30 credits)

At least 30 credits selected from the following courses:

- STAT3615 Practical mathematics for investment (6)
- STAT3901 Life contingencies (6)
- STAT3904 Corporate finance for actuarial science (6)
- STAT3906 Risk theory I (6)
- STAT3908 Credibility theory and loss distributions (6)
- STAT3910 Financial economics I (6)
- STAT3911 Financial economics II (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.