



## ACTUARIAL FINANCE

In this information age, financial transactions and the associated risks are becoming very complicated, and the need to model the relevant risks and formulate methods for reducing them is in great demand.

Actuarial Finance introduces students to basic actuarial and essential business modules and enables them to apply the quantitative skills gained to solve complex business problems in risk management, insurance and financial mathematics.

## CAREER PROSPECTS

- Actuary
- Financial Planner
- Banking
- Management



Academic Partners:



Australia, United Kingdom and United States Universities



## CONTACT US

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# ACTUARIAL FINANCE

INTAKE: JANUARY, APRIL, JUNE, SEPTEMBER

**1-800-888-448**  
(TOLL-FREE DURING & AFTER OFFICE HOUR)  
[www.niit.edu.my](http://www.niit.edu.my)






## DIPLOMA IN ACTUARIAL FINANCE

MQA/PA7911

“ Don't be afraid to fall.”



### OVERVIEW

This programme is designed to provide students with knowledge and skills to enter the actuarial profession as well as to prepare them for the professional examinations that will lead them to be a qualified actuary or specialist in the financial risk and insurance industries.

During their studies, students can attempt the examinations conducted by professional bodies such as Society of Actuaries, Casualty Actuarial Society and Canadian Institute of Actuaries. Throughout their studies, students will be expected to learn various courses that apply mathematical and statistical techniques in the financial world.

### ACADEMIC AND CAREER PATH

The programme prepares students for exciting careers in the corporate sectors, insurance sectors, risk management, financial industry and government agencies. The graduates of this programme can have the opportunity to pursue Bachelor Degrees in related fields at both local and private universities.

### DURATION

2 years (6 semesters)

### MEDIUM OF INSTRUCTION

This programme is conducted in English.

### COURSES CONTENTS AND STRUCTURE

#### MPU Compulsory Courses

- Etika Professional
- Pengetahuan Insaniah
- Latihan Insaniah
- Pengajian Malaysia

#### College Compulsory Courses

- Foundation English
- Business Communication
- Information System

#### Programme Core Courses

- Calculus
- Linear Algebra
- Probability and Statistics
- Risk and Insurance
- Introduction to Actuarial Mathematics
- Actuarial Models
- Time Series and Forecasting

#### Core Courses

- Financial Accounting I
- Financial Accounting II
- Management Fundamentals
- Desktop Application
- Personal Development
- Quantitative Analysis
- Microeconomics
- Macroeconomics
- Marketing Principles
- Fundamentals of Finance
- Financial Mathematics
- Entrepreneurship
- Industrial Training

### EDUCATION PATHWAY



### DIPLOMA ENTRY REQUIREMENTS

A pass in SPM with a minimum of 3 credits including Mathematics or its equivalent

A pass in Sijil Tinggi Persekolahan Malaysia (STPM) with a minimum of Grade C (GP 2.0) in any subject or its equivalent

A pass in Sijil Tinggi Agama Malaysia (STAM) with a minimum grade of Maqbul

A pass in SKM Level 3 in a related field and a pass in SPM with a minimum of 1 credit in any subject

A pass in Unified Examination Certificate (UEC) with at least grade B in any 3 subjects including Mathematics or its equivalent

A pass in NIIT Certificate In Business or its equivalent