

THE UNIVERSITY OF HONG KONG

FACULTY OF SCIENCE

Programme Learning Outcomes – BSc in Actuarial Science Programme

1. University Educational Aims

To enable our students to develop their capabilities in:

- (1) pursuit of academic/professional excellence, critical intellectual enquiry and life-long learning
- (2) tackling novel situations and ill-defined problems
- (3) critical self-reflection, greater understanding of others, and upholding personal and professional ethics
- (4) intercultural understanding and global citizenship
- (5) communication and collaboration
- (6) leadership and advocacy for the improvement of the human condition

2. Programme Learning Outcomes –BSc in Actuarial Science

By the end of this programme, students should be able to:

- (1) understand and apply various analytic and quantitative methods to define and solve problems in insurance, finance, economics, investment, pension, financial risk management and demography
(by means of coursework and tutorial classes and/or research-based project in the curriculum)
- (2) understand and identify the nature of insurance, finance and investment risks
(by means of coursework and tutorial classes and/or research-based project in the curriculum)
- (3) develop analytical skills to evaluate and measure various kinds of risk, and appraise the related moral and ethical issues
(by means of coursework and tutorial classes and/or research-based project in the curriculum)
- (4) formulate effective business strategies to manage various kinds of risk
(by means of coursework and tutorial classes and/or research-based project in the curriculum)
- (5) communicate and collaborate with people effectively on issues related to actuarial science
(by means of coursework and tutorial classes and/or research-based project in the curriculum)
- (6) discuss current actuarial issues and acquire and apply practical knowledge in some specially designed courses
(by means of coursework and tutorial classes and/or research-based project in the curriculum)

3. Mapping of Programme Learning Outcomes to University Educational Aims

Due to the richness and diversity of the Programme, multiple Programme Learning Outcomes may be used to satisfy the University Educational Aims.

Programme Learning Outcomes – BSc in Actuarial Science	University Educational Aims
By the end of this programme, students should be able to:	To enable our students to develop their capabilities in:
(1) understand and apply various analytic and quantitative methods to define and solve problems in insurance, finance, economics, investment, pension, financial risk management and demography (2) understand and identify the nature of insurance, finance and investment risks (3) develop analytical skills to evaluate and measure various kinds of risk, and appraise the related moral and ethical issues (4) formulate effective business strategies to manage various kinds of risk (6) discuss current actuarial issues and acquire and apply practical knowledge in some specially designed courses	(1) pursuit of academic/professional excellence, critical intellectual enquiry and life-long learning (2) tackling novel situations and ill-defined problems
(3) develop analytical skills to evaluate and measure various kinds of risk, and appraise the related moral and ethical issues (4) formulate effective business strategies to manage various kinds of risk (6) discuss current actuarial issues and acquire and apply practical knowledge in some specially designed courses	(2) tackling novel situations and ill-defined problems
(3) develop analytical skills to evaluate and measure various kinds of risk, and appraise the related moral and ethical issues	(3) critical self-reflection, greater understanding of others, and upholding personal and professional ethics
*	(4) intercultural understanding and global citizenship (5) communication and collaboration
(5) communicate and collaborate with people effectively on issues related to actuarial science (4) formulate effective business strategies to manage various kinds of risk	(5) communication and collaboration (6) leadership and advocacy for the improvement of the human condition

* This will be fulfilled by other components of the University curriculum such as the Common Core Curriculum, Internships, Service Learning, Exchange Studies, etc.