Associate of Science (Actuarial Science)

PROGRAMME OVERVIEW

Actuarial science, in the insurance and re-insurance industries, is the practice of using statistical information to determine rates and rating methods, and evaluating insurance company reserves. Actuaries, particularly Bermudian actuaries, are very much in demand in Bermuda's insurance and reinsurance industries.

Bermuda College, with the support of Chubb and the Chubb Foundation, has developed this programme for students wishing to enter the actuarial field. The programme provides a solid foundation for further study abroad in preparation for the rigorous series of examinations that lead to membership in the profession. The programme has a strong mathematical base, and includes an introductory course in Actuarial Science.

Students wishing to complete this degree in two years should expect to take MAT 1105 during the Summer **prior** to their freshman year.

Since the requirements of four-year institutions vary widely, it is essential that the programme outlined in the catalogue of the student's college of choice, be followed as closely as possible.

CURRICULUM

TOTAL CREDITS: 64

YEAR 1

First Semester – 16 credits

Code	Course	Credits
CSC 1110	Learning Strategies for Student Success	1
CIS 1125	Introduction to Computers and Information Technology	3
ECO 1101	Principles of Microeconomics	3
ENG 1111	Freshman Composition	3
MAT 1141	Pre-Calculus	3
Elective	Humanities (1100 or higher) elective*	3

Second Semester – 15 credits

Code	Course	Credits
ACC 1135	Accounting I	3
CIS 1130	Data Management	3
ECO 1102	Principles of Macroeconomics	3
ENG 1112 or	Literary Analysis	
ENG 1115	Writing for Professionals	3
MAT 1152	Calculus I	3

YEAR 2

First Semester – 15 credits

Code	Course	Credits
Elective	Accounting, Mathematics, Management, Computer Information Systems, Insurance or Law elective*†	3
Elective	Accounting, Mathematics, Management, Computer Information Systems, Insurance or Law elective*†	3
MAT 2201	Calculus II	3
MAT 2210	Linear Algebra	3
MAT 2233	Statistics I	3

Second Semester – 18 credits

Code	Course	Credits
ASC 1101	Introduction to Actuarial Science	3
Elective	Accounting, Mathematics, Management, Computer Information Systems, Insurance or Law elective*†	3
Elective	Accounting, Mathematics, Management, Computer Information Systems, Insurance or Law elective*†	3
MAT 2240	Elementary Differential Equations	3
MAT 2220	Multivariable Calculus	3
MAT 2234	Statistics II	3

*Before one can be enrolled in any course one must satisfy the prerequisites.
†CIS 1120 cannot be used to fulfill this requirement.