



## **Bachelor of Business Science (BBS) -Actuarial Science**

### **BBS Overview**

The BBS is a four-year programme designed to equip the graduate with academic, practical and interpersonal skills that can be applied in the financial modeling and risk analysis practice.

Emphasis will be on the use of simulations, case studies, seminars and guest lecture methods of delivery to ensure the graduate gets a real feel of the industry and benefit from this world-class programme.

### **Programme Strengths Overview**

Why Choose Strathmore's BBS? Because it will provide a rigorous, in depth and all round programme unparalleled in the region. Strathmore's own strength and emphasis on quality and excellence; and the University's active partnership with industry and leading schools ensures the programme's content and delivery reflects industry needs.

### **What you will learn in BBS-Actuarial Science**

The first two years will provide you with a solid foundation in mathematical, computing and statistical skills applied in actuarial and financial models.

Participants will gain awareness of application of these technical concepts in the third year work placement in a business setting with professionals.

This professional development in building actuarial skills continues in the fourth year with case studies in actuarial modeling and design of practical actuarial models including guest lectures from actuaries.

### **What can you do with a BBS-Actuarial Science degree qualification**

A career as an actuary is highly rewarding both financially and intellectually. The demand for actuarial skills is set to grow, more so with increased focus on risk management in the financial and insurance industry.

Some key employers include: Pension funds, bank risk departments, actuarial consulting firms, auditing firms, social security fund administration and government statistics department.

## **BBS-Actuarial Science structure**

The BBS is based on coursework, seminars, examination and a fourth year project.

### **Foundation Level**

#### **Mathematics & Programming**

Mathematics for Business Science  
Probability & Statistics  
Computer Programming Applications  
Stochastic Modeling

#### **Finance & Accounting**

Principles of Finance & Management  
Accounting & Financial Reporting  
Macro & Micro Economics  
Corporate Finance  
Business Law  
International Finance

#### **Personal Development modules**

Communication for Actuaries  
Critical Thinking  
Philosophical Anthropology  
Business & Professional Ethics  
Development Studies  
Guest Lectures on Introduction to Actuarial Practice  
Research Methods in Actuarial Science

### **Specialization Level**

#### **Finance & Investments**

Financial Mathematics  
Financial Modeling  
Financial Analysis  
Investment Strategies & Portfolio Management  
Public Lectures on Banking Industry Capital Regulation

#### **Pensions, Life & General Insurance**

Principles of Insurance  
Life Contingencies  
Case Studies in Insurance  
Practical Actuarial Modeling  
Public Lectures on Insurance Industry Capital Regulation

#### **Business Risk Management**

Principles of Statistical Decision Making  
Risk Theory

#### **Practical Learning**

200 hours of Community attachment  
200 hours of Industry attachment

### **Entry Requirements**

The entry requirements will be a minimum mean grade of B+ with a minimum grade of A- in both Mathematics and English in KCSE and A-level GCSE

### **Entrance Examination**

Strathmore University conducts an entrance examination for candidates meeting the entry requirements. This is offered every Tuesday and Thursday at 8.00am. The assessment consists of Mathematics and English exams, and an oral interview. Candidates are required to bring 3 passport-size photographs, original and photocopies of relevant academic and professional certificates and Shs. 600 entrance examination fee.

### **Further Information**

The University is Located on Ole Sangale Road (off Langata Road) accessible by private means or matatus from Central Bus Station Route 14A

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