

BACHELOR OF SCIENCE DEGREE IN ECONOMICS AND STATISTICS

Program Rationale

Government and the private sector calls for development of a human capital base equipped with economics and statistical competencies and techniques to analyse economic and statistical trends and carry out macro econometric forecasts for better evidence-based policy formulation.

There is a significant increase in the demand for Economists and Statisticians with statistical analysis skills in Uganda and elsewhere in other developing countries. This in turn has created a need for specialists who can provide solutions to the macroeconomic challenges for better management. The program integrates academic and research rigor with professional and corporate undertakings. Students are given the opportunity to develop knowledge and understanding of the conceptual and practical aspects of Economics and Statistics which can spearhead better macroeconomic management, Policy analysis and policy formulation.

Program Objectives

The main objective of the B.Sc. in Economics and Statistics program is to provide students with thorough understanding of the theories, principles and analytical techniques in the economics and statistics disciplines as taught worldwide.

The specific objectives of the program will be to:

- equip students with relatively advanced analytical skills in Economics and Statistics;
- provide students with skills for careers in the public and private sectors;
- equip students with skills for job opportunities in research institutions and non-governmental organizations (NGOs);
- prepare students for post-graduate study in either of the two fields.

Program Learning Outcomes

The B.Sc. in Economics and Statistics program is designed to develop strong analytical skills and a solid foundation in the disciplines of Economics and Statistics. More specifically, the program learning outcomes are the following:

- Students should be able to identify, explain, and use economic and statistics concepts, theories, models, and data-analytic techniques.
- Students should acquire and use knowledge of economics and statistics flexibly in a variety of contexts, providing the foundation for success in graduate studies and careers in the public and private sectors.
- Students should be able to apply their economic and statistics tools to formulate positions on a wide range of social and economic problems and engage effectively in policy debates.
- Students should use the investigative skills necessary for conducting original economic research and participating effectively in project teams.
- Students should be able to deliver effective presentations in which they combine visual communication design with oral arguments and/or the written word.

Program Structure

	First Year – Semester I:			
Code	Course Name	Type	CH	CU
ECO1101	Microeconomics I	Core	60	4
MTC1101	Calculus I	Core	45	3
MTC1102	Foundations of Mathematics	Core	45	3
STA1101	Introduction to Statistics	Core	45	3

STA1102	Statistical Organisation	Core	45	3
CSC1101	Introduction to Computer Science and IT	Core	45	3
ENG1101	English Language Grammar	Core	45	3
	Credit Units			22
	First Year – Semester II:			
Code	Course Name	Type	CH	CU
ECO1201	Macroeconomics - I	Core	60	4
ECO1202	Principles of Development Economics	Core	60	4
STA1201	Time Series and Index Numbers	Core	45	3
STA1202	Mathematical Statistics I	Core	45	3
MTC1201	Calculus II	Core	45	3
CSC1201	Computer Programming	Core	45	3
LIT1201	Literature and Composition	Core	45	3
PIE1201	Introduction to Ethics	Core	45	3
	Credit Units			26
	Second Year – Semester I:			
Code	Course Name	Type	CH	CU
ECO2101	Microeconomics - II	Core	60	4
ECO2102	Mathematical Economics	Core	60	4
ECO2103	Labour Relations and Economics	Core	45	3
MTC2102	Linear Algebra	Core	45	3
STA2101	Sample Survey Theory	Core	45	3
STA2102	Demography and Social Statistics	Core	45	3
COS2101	Communication Skills	Core	45	3
	Credit Units			23
	Second Year – Semester II:			
Code	Course Name	Type	CH	CU
ECO2201	Macroeconomics - II	Core	60	4
ECO2202	Agricultural and Production Economics	Core	60	4
STA2201	Econometrics I	Core	60	4
STA2202	Mathematical Statistics II	Core	45	3
COC2201	Research Methodology	Core	60	4
CLS2201	Original and Critical Language Skills	Core	45	3
PEF2201	Ethics in Focus	Core	45	3
	Recess Semester	Core		
COC2202	Field Attachment/Internship	Core	60	4
	Credit Units			29
	Third Year – Semester I:			
Code	Course Name	Type	CH	CU
ECO3101	Intermediate Microeconomic Theory	Core	60	4

ECO3102	Economics Development, Planning & Policies	Core	60	4
ECO3103	International Economics	Core	60	4
STA3101	Regression Models	Core	45	3
STA3102	Operations Research	Core	45	3
PME3101	Project Planning, Monitoring and Evaluation	Core	45	3
BEN3101	Business English	Core	45	3
	Credit Units			24
	Third Year – Semester II:			
Code	Course Name	Type	CH	CU
ECO3201	Intermediate Macroeconomic Theory	Core	60	4
ECO3202	Public Sector Economics	Core	60	4
ECO3203	Monetary Economics	Core	60	4
STA3201	Econometrics II	Core	60	4
STA3202	National Accounts and Income Analysis	Core	45	3
STA3203	Statistical Methods	Core	45	3
COC3201	Science, Economics and Ethics	Core	45	3
COC3202	Dissertation	Core	60	4
	Credit Units			29
	Total Credit Units			156