

DOCTOR OF PHILOSOPHY IN INFORMATION SYSTEMS (PhD IS)

The rapid evolution of technology and the ever-increasing reliance on information systems in various domains necessitate advanced research and development in the field. A PhD in Information Systems is designed to cultivate scholars who can contribute to the advancement of knowledge, address complex problems, and innovate solutions in the realm of information technology and systems. Information Systems (IS) play a crucial role in the modern world by enhancing the efficiency and effectiveness of organizations. They encompass a wide range of applications, from data management and cybersecurity to business intelligence and digital transformation.

PhD IS Program Objectives

The PhD in Information Systems program is designed to achieve several key objectives that are aligned with the demands of academia, industry, and society. The objectives of the program are as follows:

- To deepen students' understanding of the theoretical foundations of information systems.
- To equip students with advanced research skills necessary for conducting high-quality, independent research.
- To encourage innovative thinking and creativity in solving complex information systems problems.
- To integrate knowledge from related disciplines such as computer science, business, and engineering.

Entry Requirements

The general Admission requirements shall be decided and revised periodically by the Senate and made available by the Office of the Deputy Vice Chancellor (DVC).

The admission criteria of the PhD in IS shall consist of the following;

- Meet the minimum entry requirements for a PhD Program at Uganda Martyrs University
- Candidates must possess a Master's degree (with Dissertation) in Information Systems,
- ICT Architectural Design and Management, Information Technology, Software
- Engineering, Computer Science, Data Communication, Computer Engineering, or a
- A closely related field from a recognized institution of higher education, or an equivalent qualification.

Program Structure

CODE	COURSE NAME	TYPE	CH	CU
	YEAR 1 SEMESTER 1			
ISD8116	Institutional Pedagogy	Core	60	4
ISD8111	Scientific Inquiry and Theory Development	Core	60	4
ISD8112	Computational Philosophy	Core	60	4
ISD8113	Advanced Research Methods	Core	60	4
	Elective			
ISD8114	Software Development and Architectures	Elective	60	4
ISD8115	Advanced Qualitative Data Analysis	Elective	60	4
ISD8116	Emerging Trends in Computing	Elective	60	4
	YEAR 1 SEMESTER 2			
ISD8121	Presentations, Scientific Writing and Research Ethics	Core	60	4
ISD8122	Design Research Seminar	Core	60	4
ISD8123	Big Data Analytics and Management	Core	60	4

ISD8123	Computer Applications in Research	Core	60	4
	Elective			
ISD8124	Advanced Quantitative Data Analysis	Elective	60	4
ISD8125	Advanced Health Informatics	Elective	60	4
ISD8126	Spatial Data Modelling	Elective	60	4
	Year 2			
ISD8221	Dissertation			
	Year 3			
ISD8221	Dissertation		144	96