

DIPLOMA IN INFORMATION TECHNOLOGY

The Diploma in Information Technology (DIT) at Uganda Martyrs University is designed to provide students with foundational knowledge and practical skills in computer systems, software applications, networking, database management, and information technology support services. The program equips learners with competencies to use, manage, and maintain modern ICT systems while developing problem-solving, communication, and professional skills required in today's digital environment. Graduates are prepared for entry-level careers in IT and for further studies in computing and information technology fields.

Program Objectives

- a. To equip students with a solid understanding of core IT concepts, principles, and technical skills required in the field.
- b. To enable students to apply their knowledge to design, develop, and implement practical IT solutions for real-world challenges.
- c. To instill ethical values, responsible conduct, and professional standards within the IT industry, emphasizing integrity and compliance.
- d. To equip students with the knowledge and skills necessary to pursue relevant industry certifications, enhancing their employability and industry recognition.

Admission 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 DIT shall consist of the following;

i) **Admission by Direct Entry:** Admission to the first year of the program will require a student to have sat the;

- a. Uganda Certificate of Education (UCE) and passed with at least a credit in Mathematics and or English
- b. Uganda Advanced Level Certificate of Education (UACE) with at least one principal pass

ii) **Mature Entry:** A person who holds a Certificate in Computer Science, IT or its equivalent in STEM-related programs from a higher institution of learning recognized by Uganda Martyrs University (UMU).

Program Structure

Year 1 Semester 1				
Code	Course Name	Type	CH	CU
DIT 61101	Fundamentals of information technology	Core	60	4

DIT 61102	Web Authoring	Core	60	4
DIT 61103	Computer Systems Architecture & Logic	Core	45	3
DIT 61104	Principals of Programming	Core	60	4
DIT 61105	Fundamentals of Networking	Core	45	3
ENG 1101	English Language Grammar	Core	45	3
MTC 1102	Computational Mathematics	Core	45	3
	Total credits			24
Year 1 Semester 2				
DIT 61201	Systems Analysis and Design	Core	60	4
DIT 61202	Object-Oriented Programming	Core	60	4
DIT 61203	Database Management Systems	Core	60	4
DIT 61204	Computational Statistics	Core	45	3
PIE 1202	Introduction to Ethics	Core	45	3
DIT 61205	Introduction to Operating systems	Core	45	3
	Total credits			21
SECOND YEAR – SEMESTER I:				
DIT 62101	Seminar Series and Workshop	15		4
DIT 62102	Entrepreneurship and innovation	30	45	3
DIT 62103	Computer Systems Management	30	45	4
DIT 62104	Web based Database programming	30	45	4
	Total CU			15
SECOND YEAR – SEMESTER II:				
DIT 62201	Development Research Project (Individual)	4	45	4
DIT 62202	Computer Graphics Design and Image Editing	30	45	4
DIT 62205	Event Driven programming	30	45	4
	Total CU			12
	Total Course Load			73