

Certificate in Information Systems and Technology

Students who completed the Online Undergraduate Certificate in Information Systems and Technology will develop skills to:

- Design and develop algorithmic and programming solutions to solve problems, using computational thinking skills
- Design and develop databases for effective information organization and access
- Design and develop web pages using high-quality standards

Students will allow learners to choose specializations in one or more of the following fields: project management, computer networks and data security, and interactive web design.

Requirements

Complete 12 credit hours from the course list. Core courses need to be taken before or in parallel to the elective courses.

Core Courses		9
INFOTC 1040	Introduction to Problem Solving and Programming	3
INFOTC 3380	Database Systems and Applications	3
IS_LT 4355	Web Design and Development	3
Elective Courses		3
INFOTC 2040	Programming Languages and Paradigms	3
INFOTC 2810	Fundamentals of Network Technology	3
INFOTC 2910	Cyber Security	3
INFOTC 3330	Object Oriented Programming	3
INFOTC 3380	Database Systems and Applications	3
INFOTC 3530	UNIX Operating System	3
INFOTC 3650	Leadership and Ethics in Information Technology	3
IS_LT 4099	Making and Education	3
IS_LT 4383	Rapid Development Tools for Online Learning	3
IS_LT 4473	Introduction to Project Management	3
INFOTC 4830	Web Application Development II	3