

# Certificate in Information Systems and Technology

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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.

<b>Core Courses</b>		<b>9</b>
INFOTC 1040	Introduction to Problem Solving and Programming	3
INFOTC 3380	Database Systems and Applications	3
IS_LT 4355	Web Design and Development	3
<b>Elective Courses</b>		<b>3</b>
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	Project and Team Management	3
IS_LT 4099	Making and Education	1-3
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