BACHELOR OF SCIENCE
COMPUTER INFORMATION SYSTEMS
Instruction delivered online

The Bachelor of Science: Computer Information Systems is a four-year, online program that will provide students with an enhanced knowledge of Information Systems, System Administration, Devops, and other Information Technology disciplines. Graduates are qualified to work in an array of fields ranging from programmers to networking architects whether it be in public sector or private.

YEAR ONE

FALL SEMESTER		Credits	SPRING SEMESTER		Credits
CS***	Computer Science Elective	3-4	CS146	Advanced Computer Hardware	4
CS144	Computer Hardware Systems	4	CS207	Computer Security	3
EN111	College Composition	4	CS227	Networking Technologies	4
ES101	Fitness & Wellness	2	EN112	Content Area Comp.& Research	4
NA113	Native American Awareness	1			
	TOTAL	14-15		TOTAL	15

YEAR TWO

FALL SEMESTER		Credits	SPRING SEMESTER		Credits
CS204	Web Page Design	3	CS221	Computer Programming	4
CS225	Microsoft Desktop Operating Systems	3	CS222	Advanced Operating Systems	4
CS231	Linux Administration	4	CS233	Advanced Routing	4
CS232	Introduction to Routing	4	CS271	Cooperative Education	5
MA***	Math Elective	4			
	MA113, MA114, MA116, or MA206				
	TOTAL	18		TOTAL	17

YEAR THREE

FALL SEMESTER		Credits	SPRING SEMESTER		Credits
CS205	Database Management	3	CS310	Introduction to the Internet of Things	3
CS320	Configuration/Automation Mgmt	3	CS340	Advanced Database Management	3
CS330	Introduction to Data Structures	3	CS345	Introduction to Application Programming	3
MA118	Analytic Trigonometry	4		Interfaces (APIs)	
NA***	Native Studies Elective	4	*****	Comm. Elect.: EN107 or NL105	3-4
	NA123 or NA125		*****	Science Elective w/Lab	4
	TOTAL	17		TOTAL	16-17

YEAR FOUR

FALL SEMESTER		Credits	SPRING SEMESTER		Credits
CS410	Virtualization Infrastructure	4	CS420	Cloud Computing Technologies	3
CS430	Security Systems & Data Storage	4	CS445	Computer Vision	4
CS435	Artificial Intelligence (AI)	4	CS490	Senior Project	4
*****	Comm. Elect.: BU193 or EN219	3-4	*****	Social Science Elective	3-4
	TOTAL	15-16		TOTAL	14-15

Required credits for this curriculum = 126-130