



ACADEMIC MAP TO BS IN COMPUTER INFO SYSTEMS NETWORKING & CYBERSECURITY CONCENTRATION

2025-2026



NORTHWESTERN STATE
UNIVERSITY OF LOUISIANA

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YEAR 1	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade
	ENGL 1010 – Composition & Rhetoric I	🚩		3	C
	MATH 1020 – College Algebra	🚩		3	
	FA 1040- Exploring the Arts			3	
	CIS 1015 – Intro to CIS**	🚩		3	
	CIS 1090 – Intro to Comp Apps	🚩		3	
	UNIV 1000 – The University Experience			1	

**Certification Required: CompTIA Tech+

Semester Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade
CIS 1030 – Intro to Software Development			3	
CIS 2080 – Essentials of Network Design and Hardware – CORE 2**	🚩		3	
ENGL 1020 – Comp and Rhetoric II	🚩		3	C
MATH 1060 – Finite Math	🚩		3	
SCI 1010 – Basic Concepts of Physical Science I			3	

**Certification Required: CompTIA A+ Core 2

Semester Credits _____

Total Credits _____

YEAR 2	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade
	BUAD 2120 – Basic Business Statistics	🚩		3	
	CIS 2980 – Database Systems			3	
	CIS 2090 – Essentials of Network Design and Hardware – CORE 1**	🚩		3	
	COMM 1010 – Oral Communication or COMM 2500			3	
	ECON 2000 – Principles of Macro Economics	🚩		3	

**Certification Required: CompTIA A+ Core 1

Semester Credits _____

Total Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade
BUAD 2200 – Business Reports and Communication	🚩		3	
CIS 3400 Telecommunications and Networks** SPRING ONLY	🚩		3	
CIS 3020 – Web Page Development			3	
ECON 2010 – Principles of Microeconomics	🚩		3	
SCI 1020 – Basic Concepts of Biological Science I			3	

**Certification Required: CompTIA Net+

Semester Credits _____

Total Credits _____

YEAR 3	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade
	ACCT 2000 – Financial Accounting	🚩		3	
	CIS 3700 – Introduction to Servers** FALL ONLY	🚩		3	
	1 course from (CIS 3410, CIS 4040, CIS 4080, CIS 4220 or CIS 4930)			3	
	ENGL 2110 – Intro to Literature			3	
	SCI 2010 – Basic Concepts of Physical Sciences II or SCI 2020 – Basic Concepts of Biological Science II			3	

**Certification Required: CompTIA Server+

Semester Credits _____

Total Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade
ACCT 2010 – Managerial Accounting	🚩		3	
CCIS 3800 – Enterprise Operating Systems** SPRING ONLY	🚩		3	
1 course from (CIS 3410, CIS 4040, CIS 4080, CIS 4220 or CIS 4930)			3	
MGT 3220 – Organization and Management	🚩		3	
PSYC 1010 – General Psychology			3	

**Certification Required: CompTIA Linux+

Semester Credits _____

Total Credits _____

YEAR 4	SEMESTER 1	Milestones	Grade	Credits	Minimum Grade
	BUAD 3270 – International Business			3	
	CIS 3900 – Systems Analysis and Development FALL ONLY CAPSTONE PART 1	🚩		3	
	CIS Elective			3	
	FIN 3090 – Business Finance	🚩		3	
	MKTG 3230 – Principles of Marketing			3	

Semester Credits _____

Total Credits _____

SEMESTER 2	Milestones	Grade	Credits	Minimum Grade
BLAW 2250 – Business Law 1 or BLAW 3280 – Cyber Business Law (preferred)			3	
BUAD 4900 – Business Senior Seminar			2	
CIS 4600 – Advanced Systems Development SPRING ONLY CAPSTONE PART 2	🚩		3	
CIS 3980 – Introduction to Information Security** SPRING ONLY	🚩		3	
HIST 1010, 1020, 2010, or 2020 – History to satisfy University Core			3	

**Certification Required: CompTIA Security+

Semester Credits _____

Total Credits 120

Must maintain a 2.0 GPA within Major and Concentration to graduate.

YOU'VE FINISHED!



REQUIRED to Stay on Track for graduation



Concentration Electives



GRADUATION REQUIREMENTS

Major Requirements = 80 | University Core = 40

Courses taken outside of a student's degree program are not eligible for Title IV federal financial aid (grants and loans). However, elective courses are eligible for Title IV aid if they are required and included in the student's program of study. Once a student has completed all required elective credits, any additional elective courses taken beyond the program's requirements will not be eligible for Title IV funding.