



ACADEMIC MAP TO BS IN COMPUTER INFO SYSTEMS - APPLICATION DEVELOPMENT CONCENTRATION

2026-2027



NORTHWESTERN STATE
UNIVERSITY OF LOUISIANA

www.nsula.edu/CIS

START HERE

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 2980 – Database Systems	🚩		3	
ENGL 1020 – Comp and Rhetoric II	🚩		3	C
MATH 1060 – Finite Math	🚩		3	
SCI 1010 – Basic Concepts of Physical Science I			3	

Semester Credits _____

Total Credits _____

YEAR 2	SEMESTER 1				
	Milestones	Grade	Credits	Minimum Grade	
	BUAD 2120 – Basic Business Statistics	🚩		3	
	CIS 3020 – Web Page Development			3	
	CIS 3300 – Intermediate OO Programming FALL ONLY	🚩		3	
	COMM 1010 - Oral Communication or COMM 2500			3	
ECON 2000 – Principles of Macro Economics	🚩		3		

Semester Credits _____

Total Credits _____

SEMESTER 2				
Milestones	Grade	Credits	Minimum Grade	
BUAD 2200 – Business Reports and Communication	🚩		3	
CIS 3970 – Secure Programming Principles SPRING ONLY	🚩		3	
CIS Elective			3	
ECON 2010 – Principles of Microeconomics	🚩		3	
SCI 1020 – Basic Concepts of Biological Science I			3	

Semester Credits _____

Total Credits _____

YEAR 3	SEMESTER 1				
	Milestones	Grade	Credits	Minimum Grade	
	ACCT 2000 – Financial Accounting	🚩		3	
	CIS 4020 – Advanced OO Programming FALL ONLY	🚩		3	
	CIS Elective			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		

Semester Credits _____

Total Credits _____

SEMESTER 2				
Milestones	Grade	Credits	Minimum Grade	
ACCT 2010 – Managerial Accounting	🚩		3	
CIS 4000 – Advanced Database Systems SPRING ONLY	🚩		3	
CIS Elective			3	
MGT 3220 – Organization and Management	🚩		3	
PSYC 1010 – General Psychology			3	

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 4060 – Mobile Applications Development	🚩		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 (<i>preferred</i>)			3	
BUAD 4900 – Business Senior Seminar			2	
CIS 4600 – Advanced Systems Development SPRING ONLY CAPSTONE PART 2	🚩		3	
CIS Elective			3	
HIST 1010, 1020, 2010, or 2020 – History to satisfy University Core			3	

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.

START HERE

YEAR 1	SEMESTER 1				Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

SEMESTER 2				Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

YEAR 2	SEMESTER 1				Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

SEMESTER 2				Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

YEAR 3	SEMESTER 1				Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

SEMESTER 2				Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

YEAR 4	SEMESTER 1				Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

SEMESTER 2				Milestones	Grade	Credits	Minimum Grade

Semester Credits _____

Total Credits _____

YOU'VE FINISHED!



MILESTONE



Major Electives

Academic Electives



GRADUATION REQUIREMENTS

Major Requirements = _____ | University Core/Support = _____ | Total Credits = _____

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.