Name _____   Date _____

CWID _____ - ___ - _____   Email _____ @latech.edu

COURSE		PREREQUISITE	SCH	QTR	GRADE					
CSC	130	MATH 101 or equivalent	3		R*					
	131	CSC 130 or CYEN 130	3		R*					
	132	CSC 131 or CYEN 131	3		R*					
	220	CSC 132 or CYEN 132, MATH 240○	3		R*					
	222	CSC 132 or CYEN 132, MATH 240○	3		R*					
	265	CSC 132	3		R*					
	310	CSC 220, MATH 311	3		R*					
	325	CSC 220, MATH 311○	3		R*					
	330	CSC 325	3		R					
	345	CSC 222	3		R					
	364	CSC 265	3		R					
	403	CSC 325, senior standing	3		R*					
	404	CSC 403	3		R					
	430	CSC 220	3		R					
BISC	130		3							
	131	BISC 130○	1							
COMM	101		3		□					
ENGL	101		3							
	102	ENGL 101	3							
	210, 211, 212	ENGL 102	3							
	303	ENGL 102	3							
	363	ENGL 303	3							
MATH	240	Math ACT ≥ 26 or placement	3		*					
	241	MATH 240	3		*					
	242	MATH 241	3		*					
	311	MATH 242	3		*					
PHYS	201	MATH 241	3		*					
	202	PHYS 201, MATH 242	3							
	261	MATH 112	1		*					
	262	PHYS 202○	1							
STAT	405	MATH 242	3							
ELECTIVES										
Art (ART 290, KINE 280, MUGN 290, or THTR 290) ____			3							
CSC Directed Elective ____			3		R					
CSC Directed Elective ____			3		R					
CSC Directed Elective ____			3		R					
MATH, SCI Directed Elective ____			3							
Minor/Concentration ____			3		R					
Minor/Concentration ____			3		R					
Minor/Concentration ____			3		R					
Minor/Concentration ____			3		R					
Social Science ____			3							
Social Science ____			3							
TOTAL SEMESTER HOURS			120							

SUBSTITUTIONS

	COURSE	SCH	GRADE
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

ADDITIONAL COURSES

	COURSE	SCH	GRADE
1			
2			
3			
4			
5			

GPA

Rubric GPA _____

NOTES

* requires grade of "C" or higher
○ credit or registration in
R course in rubric
□ must be taken within first year of enrollment

1 Directed electives must be selected in consultation with advisor.
2 Petitions must be filed for substitutions.
3 A student must have a minimum 2.0 GPA on all hours pursued in courses designated: CSC.
4 All students must complete an International Education Requirement (IER). Sample course: HIST 102, GEOG 205, and GEOG 210.
5 The CSC program requires a C or better in any COES course that it is a pre-req for another course.

ADDITIONAL COMMENTS

☐ IER requirement met

Advisor: _____

COMPUTER SCIENCE Louisiana Tech University

FRESHMAN YEAR

Fall Quarter		Hr	Winter Quarter		Hr	Spring Quarter		Hr
CSC 130 *	The Science of Computing I	3	CSC 131 *	The Science of Computing II	3	CSC 132 *	The Science of Computing III	3
MATH 240 *	Precalculus	3	MATH 241 *	Calculus I	3	MATH 242 *	Calculus II	3
COMM 101 □	Principles of Comm Studies	3	ENGL 101	Freshman Composition I	3	BISC 130	Biological Principles	3
FYE 100	First Year Experience	1				BISC 131	Biological Principles Lab	1
		10			9			10

SOPHOMORE YEAR

Fall Quarter		Hr	Winter Quarter		Hr	Spring Quarter		Hr
CSC 220 *	Data Structures	3	**CSC 222** *	Systems Programming	3	**CSC 345**	Operating Systems	3
CSC 265 *	Introduction to Digital Design	3	PHYS 201 *	Physics for Engr & Science I	3	PHYS 202	Physics for Engr & Science II	3
MATH 311	Discrete Mathematics I	3	PHYS 261	General Physics Laboratory	1	PHYS 262	General Physics Laboratory	1
ENGL 102	Freshman Composition II	3	Social Science		3	Social Science		3
		12			10			10

JUNIOR YEAR

Fall Quarter		Hr	Winter Quarter		Hr	Spring Quarter		Hr
CSC 325 *	Advanced Data Structures & Algorithm	3	**CSC 330**	Programming Languages	3	**CSC 310**	Theory of Computing	3
ENGL 210, 211, or 212		3	**CSC 430**	Database Management Systems	3	**CSC 364**	Computer Architecture	3
Fine Arts Appr.		3	CSC Elective		3	Minor/Concentration		3
Math/Science Elective		3	ENGL 303	Technical Writing	3			
		12			12			9

SENIOR YEAR

Fall Quarter		Hr	Winter Quarter		Hr	Spring Quarter		Hr
CSC Elective		3	**CSC 403** *	Software Design and Engineering	3	**CSC 404**	Senior Capstone	3
ENGL 363	Scientific & Tech Presentations	3	Minor/Concentration		3	CSC Elective		3
Minor/Concentration		3	STAT 405	Statistical Methods	3	Minor/Concentration		3
		9			9			9

* requires grade of "C" or higher.

□ must be taken within first year of enrollment

Courses in **bold** are *typically* offered only once per year.

Social Science electives can be selected from Anthropology, Criminal Justice, Economics, Geography, International Studies, Interdisciplinary, Political Science, Psychology, and Sociology.

Humanities electives can be selected from Classical Studies, Communications, Foreign Languages, History, Literature, Philosophy, Religious Studies, Interdisciplinary

All students must complete an International Education Requirment prior to graduation. A list of courses can be found in the university catalog. Courses that do not have any pre-requisite requirement are: GEOG 205, GEOG 210, HIST 102.

CLOUD COMPUTING AND BIG DATA CONCENTRATION									
COURSE			SCH	**GRADE**					**PREREQUISITE**
CSC	450 or 475	*450:* Computer Networks; *475:* Artificial Intelligence	3						*450:* CSC 325; *475:* CSC 325
	452	Distributed and Cloud Computing	3						CSC 345
	493	Data Mining and Knowledge Discovery	3						CSC 325
	498	Advanced Data Mining, Fusion, and Application	3						CSC 325
		TOTAL	12						

COMPUTER ENGINEERING CONCENTRATION									
COURSE			SCH	**GRADE**					**PREREQUISITE**
ELEN	242	Introduction to Microprocessors	3						MATH 242o
	333	Introduction to Digital Design	3						ELEN 242
	423	Embedded Systems	3						ELEN 242
ENGR	221	Electrical Engineering and Circuits I	3						ENGR 122, MATH 241, PHYS 201, (CSC 132)
		TOTAL	12						

CYBER SECURITY CONCENTRATION									
COURSE			SCH	**GRADE**					**PREREQUISITE**
CSC	442	Introduction to Cyber Security	3						CSC 220
	450	Computer Networks	3						CSC 325
Two of the following:									
CSC	443	Digital Forensics and Cyber Crime	3						CSC 442
	444	Applied Cryptography	3						CSC 442
	446	Access Control Logic and Covert Channels	3						CSC 442, MATH 311
	447	Wireless Mobile Security	3						CSC 442
	448	Reverse Engineering	3						CSC 442
	452	Distributed and Cloud Computing	3						CSC 345
	454	Advanced Computer Networks	3						CSC 450
	475	Artificial Intelligence	3						CSC 325
MATH	308	Introduction to Linear Algebra	3						MATH 243 or 311
		TOTAL	12						

GRAPHICS AND GAME DESIGN CONCENTRATION									
COURSE			SCH	**GRADE**					**PREREQUISITE**
ART	464	Advanced Communication Media	3						CSC 220, signature required
CSC	470	Computer Graphics	3						CSC 325
	475	Artificial Intelligence	3						CSC 325
MATH	308	Introduction to Linear Algebra	3						MATH 243 or 311
		TOTAL	12						

* requires grade of "C" or higher.