NAME _____

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INFORMATICS: *HEALTH INFORMATICS CONCENTRATON*
2013-2015 CATALOG

(MAJOR CODE: S300-02)

FRESHMEN YEAR

Sub Course		Course	Course Description and *Pre/Co-Requisites*	Credit	Grade	Sub Course		Course	Course Description and Pre/Co-Requisites	Credit	Grade
		UNIV 100	Cajun Connection *(Rest. Students with less than 30 hours)*	2			*	ACCT 201	Into to Financial Accounting *("C" in MATH 100/105 & ENGL 101)*	3	
*&		UNIV 200[1]	Information Literacy	2		*&		ENGL 102	Writing & Research About Culture *("C" in ENGL 101)*	3	
*&		ENGL 101	Intro Academic Writing *(ACT 18-27 or "C" in ENGL 90)*	3		*+		INFX 210	Human Computer Interaction *("C" in INFX 101 & MATH 143 req'mnt)* **FA, SP**	3	
*+		INFX 101	Fund of Informatics *(Eligibility for MATH 143 requirement)* **FA, SP**	3		*+		INFX 240	Information Technology Infrastructure *(MATH 143 req'mnt)* **FA, SP**	3	
*&		MATH 143[2]	Precalculus Algebra & Trig	3		*		MATH 250	Survey of Calculus *("C" in MATH 100/105 or ACT 25+)*	3	
&		ELECTIVE[4]	(SCI)	3						15	
				16							

UPPER DIVISION REQUIREMENTS *(All courses require a grade of "C" or better except Elective (SCI))*

* 2.30 Adjusted GPA	* Math 250	* 30 hours earned (non-developmental)	* UNIV 200
* ENGL 102	* CMPS 207 **OR** 260	* INFX 210 **AND** 240	* Elective (SCI)

SOPHOMORE YEAR

Sub Course		Course	Course Description and Pre/Co-Requisites	Credit	Grade	Sub Course		Course	Course Description and Pre/Co-Requisites	Credit	Grade
*+		CMPS 150	Intro to Comp Sci *("C" in MATH 250; Coreq: MATH 143 req'mnt)*	3		*+		CMPS 207/260	Computers in Org/ Intro Data Struct & Softwre Design *("C" in CMPS 150)* **FA, SP**	3	
*		HSA 301	Healthcare Delivery Systems *(UD, online only)* **FA**	3		*		STAT 325	Introduction to Statistics *("C" in MATH 143 req'mnt)*	3	
*		MGMT 320	Mgmt of Behavior & Organizations *(UD)*	3		*+		CMPS 310	Computers in Society *("C" in CMPS 260 or permission of instructor)*	2	
&		ELECTIVE[5]	(CMCN)	3		*+		INFX 301	Computational Thinking *(UD)* **FA, SP**	3	
&		ELECTIVE[4]	(SCI)	3		&		ELECTIVE[6]	(ARTS)	3	
				15						14	

JUNIOR YEAR

Sub Course		Course	Course Description and Pre/Co-Requisites	Credit	Grade	Sub Course		Course	Course Description and Pre/Co-Requisites	Credit	Grade
*+		INFX 320	Information Assurance and Security *(UD)* **FA**	3		*+		INFX 380	Systems Integration & Architecture *(UD)* **SP**	3	
*+		INFX 330	Information Management *(UD)* **FA**	3		*		LCHI 303	Health Care Information Systems *(UD, online only)* **SP**	3	
*		ENGL 365	Technical Writing *(6 hours of freshman English)*	3		*+		ELECTIVE[8]	(CONCENTRATION)	3	
*+		ELECTIVE[8]	(CONCENTRATION)	3		*+		ELECTIVE[8]	(CONCENTRATION)	3	
&		ELECTIVE[3]	(BHSC)	3		&		ELECTIVE	(HIST)	3	
				15						15	

SENIOR YEAR

Sub Course		Course	Course Description and Pre/Co-Requisites	Credit	Grade	Sub Course		Course	Course Description and Pre/Co-Requisites	Credit	Grade
*+		INFX 440	Advanced Network Infrastructure *(6 hours of 300 INFX)* **FA**	3		*+		INFX 435	Business Intelligence & Advanced Databases *(6 hours of 300 INFX)* **SP**	3	
*+		INFX 450	Sys Admin & Maint *(INFX 320, 6 hours of 300 INFX)* **FA**	3		*+		INFX 470	Web Systems & Technologies *(INFX 330, 6 hours of 300 INFX)* **SP**	3	
*+		INFX 481	Business Process Analysis & Design *(INFX 380, 6 hours of 300 INFX)* **FA**	3		*+		INFX 490[7]	Informatics Capstone *(INFX 450, INFX 470, 6 hours of 300 INFX)* **FA, SP**	3	
&		ELECTIVE[3]	(BHSC)	3		*+		STAT 417	Biometry	3	
&		ELECTIVE	(LIT)	3		&		ELECTIVE[4]	(SCI)	3	
				15						15	

*Students must earn a "C" or better in each core course, each concentration course, in order to graduate.

[1] Complete UNIV 200 or a "computer proficiency" examination before being admitted to Upper Division.

[2] Students who meet criteria set by the Department of Mathematics may register for MATH 143 (Math ACT => 26-27) upon entry. Those who do not meet these qualifications must take both MATH 109 and 110 (Math ACT => 26-27), in order to satisfy the MATH 143 requirement.

[3] Must be selected from ANTH, ECON, GEOG, POLS, PSYC, SOCI, or CJUS with at least one 3-hour course at the 200 level or above. See advisor for a list of acceptable courses

[4] Must be selected from both biological (BIOL) and physical (CHEM, GEOL, PHYS) sciences. **Two of these courses must be within the same science. Both a biological and a physical science must be taken.** If a student chooses to take *only one* biological science, ENVS 150 may be used.

[5] Must be selected from CMCN 100 (or 101 for international students), 202, 203 (HONR), 302, or 310.

[6] Must be selected from MUS, VIAR, DANC, THEA or DSGN 121.

[7] Must be taken in last semester.

[8] Must be selected as follows: Choose at least two from INFX 412, INFX 491, INFX 499, LCHI 473 (**FA**, *online only*), LCHI 475 *(online only)* Choose at most one from HIM 322 (**SP**), PHIL 202, PHIL 316, PSYC 313

Symbol's Key

* "C" or better required
+ Major Course
& University & Regents
UD Upper Division
SP Offered spring only
FA Offered fall only

THE FOLLOWING COURSES CANNOT BE APPLIED TOWARD THIS DEGREE:

Course	Grade	Credit	Course	Grade	Credit	Course	Grade	Credit