

## Computer Information Systems Major (Bachelor of Science)

**81 credits for major/128 credits for degree**

Requirements for students entering 2017-2018

NAME: \_\_\_\_\_

ADVISOR: \_\_\_\_\_

### Discovery Foundation Courses

Description	Course	Source	Credits/Grade	Notes
First Year Writing (WS)	ENGL 401			Must be taken within first 32 credits
Quantitative Reasoning (QR)				Must be taken within first 32 credits
Inquiry Requirement (INQ)				Must be INQ 444 or INQ Attribute Must be taken within first 25 credits

### Discovery Courses

Description	Course	Source	Credits/Grade	Notes
Biological Science (BS)				One of the two sciences (BS or PS) must include a lab
Physical Science (PS)				One of the two sciences (BS or PS) must include a lab
Environment, Technology & Society (ETS)				COMP 405 can be used to satisfy this category
Historical Perspectives (HP)				
World Culture (WC)				
Fine & Performing Arts (FPA)				
Social Science (SS)				
Humanities (HUMA)				COMP 560 can be used to satisfy this category

### Writing Intensive Requirements

Description	Course	Source	Credits/Grade	Notes
ENGL 401: First Year Writing	ENGL 401			All undergraduates are required to complete 4 writing intensive (WI) courses, which must include ENGL 401 and three additional WI courses.
WI course in major				
600/700 WI course				
Other WI course				All students must have a total of 4 WI courses!

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<b>Required Mathematics Course (4 credits)</b>				
Description	Course	Source	Credits/Grade	Notes
<b>Select one of the following:</b> MATH 420: Finite Mathematics MATH 424B: Calculus for Life Sciences MATH 425: Calculus I COMP 500: Discrete Structures				MATH 420/MATH 424/MATH 425 may be used to satisfy the QR requirement

<b>Introductory Core (16 credits)</b>				
Description	Source	Credits/Grade	Notes	
COMP 405: Introduction to Internet and Web Authoring			May be used to fulfill the ETS Discovery requirement	
COMP 425: Introduction to Programming				
COMP 430: Systems Fundamentals				
COMP 530: Machine and Network Architecture				

<b>Intermediate Core (16 Credits)</b>				
Description	Source	Credits/Grade	Notes	
COMP 520: Database Design and Development				
COMP 525: Data Structures Fundamentals				
COMP 550: Networking Concepts				
COMP 560: Ethics and the Law in the Digital Age (WI)			May be used to fill the HUMA Discovery requirement	

<b>Integrative and Professional Experience (17 Credits)</b>				
Description	Source	Credits/Grade	Notes	
COMP 715: Information Security				
COMP 730: Object-Oriented Software Development (WI)				
UMST 582: Internship and Career Planning Seminar				
COMP 690: Internship Experience				
COMP 790: Capstone Project			Satisfies the Discovery senior capstone experience requirement	

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<b>CIS Electives – 3 Courses (12 Credits)</b>			
Description	Source	Credits/Grade	Notes
COMP			Select 3 COMP courses, not already applied to the major  No 400-level courses may be used without permission of faculty advisor
COMP			
COMP			

<b>Concentration – 4 Courses (16 Credits)</b>			
Description and Selection	Source	Credits/Grade	Notes
			Students will work with a faculty advisor to design their concentration.  The concentration must be approved by the faculty advisor before the student's junior year.

Program Notes:

- All students must have at least a 2.0 cumulative GPA in order to graduate.
- Senior Residency: students must complete their last 32 credits of the degree at UNH.
- Students may take any undergraduate courses as electives in order to earn a minimum of 128 credits.
- Courses applied to the major must be completed with a minimum grade of C-.
- Transfer students must complete at least 24 credits in the major at UNH.