COMPUTER SCIENCE
COMPSCIMS

CPS DRAFT
2016-2017

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REQUIRED FOUNDATION COURSES (minimum grade requirement: C+) - All classes completed at UHCL will count toward the overall grade point average.

__FA-17__ **CSCI 5035 Scientific Writing or WRIT 3315 Technical Writing** (Assigned because of low essay score-will not be waived)

▶PROGRAM REQUIREMENTS **36 hours Capstone Option** *OR* **33 hours Thesis Option** (plus any foundations noted above)

▼CORE REQUIREMENTS **15 hours**

SU-17	CSCI 5134 Concurrent Programming and Software Modeling	3
SP-17	CSCI 5333 Database Management Systems	3
SU-17	CSCI 5432 Design & Analysis of Algorithms	3
FA-17	CSCI 5531 Advanced Operating Systems	3
Sp-18	CSCI 6530 Research Methods in Computer Science	

▶ PROGRAM ELECTIVES **12 hours**

Electives must be selected ***before registration for the course***, in consultation with faculty advisor.
IMPORTANT: 4000 level FOUNDATION class are NOT allowed. Check the CSCI Web site for a list of foundations.

						Faculty initial changes
SP-17	CSCI 5532	Pattern Recog & Image processing	CINF/CSCI	5x3x - 6x3x	3	
SP-17	CSCI 5633	Web DB Dev	CINF/CSCI	5x3x - 6x3x	3	
SU-17	CSCI 5933	computational Bioinformatics	CINF/CSCI	43xx - 6x3x	3	
Sp-18	SWEN 5432	Testing validation & verification	CINF/CENG/CSCI/SWEN/SENG*	43xx - 6x3x	3	

▶COMPLETION OPTION *Extended Coursework 9 hours - or - Thesis 6 hours*

EXTENDED COURSEWORK OPTION **9 hours**

FA-17	CSCI 5833	Data Mining	CINF/CSCI	5x3x – 6x3x	3
FA-17	CSCI 5533	Distributed Info System	CINF/CSCI	5x3x - 6x3x	3
Sp-18	CSCI 6838 Research Project and Seminar: take during last 12 hours. Prerequisites enforced		E-mail instructor for permission to register		3

THESIS OPTION **6 hours**

	CSCI 6939 Master's Thesis	Instruction Packet required before attempting Thesis proposal. Packet is	3
	CSCI 6939 Master's Thesis	**ONLY** available online at http://www.uhcl.edu/cse.	3

OPTIONAL SUB PLANS Elective Choices:

Database Systems
CSCI 5433 Object Oriented Database Systems
CSCI 5533 Distributed Information Systems
CSCI 5633 Web Database Development
CSCI 5833 Data Mining: Tools and Techniques

Network Performance and Security
CENG 5333 Network Performance Analysis
CSCI 5132 Internet Protocols
CSCI 5233 Computer Security and Integrity
CSCI 5234 Web Security
CSCI 5235 Network Security
CSCI 5631 Fdn for Service-Oriented Architecture

Data Mining and Computational Bioinformatics
BIOT 5733 Bioinformatics
CENG 5634 Artificial Neural Networks
CSCI 5530 Pattern Classification
CSCI 5532 Pattern Recognition and Image Processing
CSCI 5833 Data Mining Tools and Techniques
CSCI 5933 Computational Bioinformatics

IMPORTANT INFORMATION:

- CHANGES: ALL SUBSEQUENT SUBSTITUTIONS FOR THE CLASSES listed above must be approved BEFORE enrolling in the substitute class. The faculty advisor indicates the substitution and initials the change on the CPS (on a print copy or on the electronic copy located in the network folder). Faculty sends the updated Final CPS (e-mail or hardcopy) to CSE Academic Advising.
- A combined maximum of **6 hours of Independent Study/Coop/Internship** may apply to the degree (if allowed for this degree).
- A maximum of **6 hours of grades in the C/C+ range are allowed. Grades of C- and below will not apply toward the degree.** This limit does not include foundations, if assigned.
- Minimum cumulative GPA for graduation is 3.000. The GPA includes ALL classes taken at UHCL, including foundation courses if any were assigned.
- Continuous enrollment must be maintained by completing at least one class each year for the CPS to remain valid. Five years are allowed for degree completion.

Nikhil Singh
Student — *Your Final CPS will be e-mailed to your student e-mail account*

Dr. Al-Mubaid — Date 4/11/17

Academic Advisor/Date: BR 3/14/2017